



2016-2017 CATALOG

Thank you for your interest in the Atlas product line. At Atlas, we continually strive to improve our product offerings as well as enhance our customer's purchasing experience.

This past year, we have worked diligently to design and implement a new and more comprehensive website that enables our customers to purchase routine maintenance and hardware items online. We have also added a Learning Center that features video tutorials and a blog that enable us to aid you, our customers, with technical support and frequently asked questions. Furthermore, the new website incorporates a complete listing of our new products and services that are available for the ever-changing horticulture and vegetable production markets. We have also increased our inventory levels to ensure that over 90% of the items available for purchase are stock items. Our commitment to our customers is to ensure that you have what you need, when you need it, at an economical price.

Again, I thank you for your interest in Atlas products and for your continued patronage.



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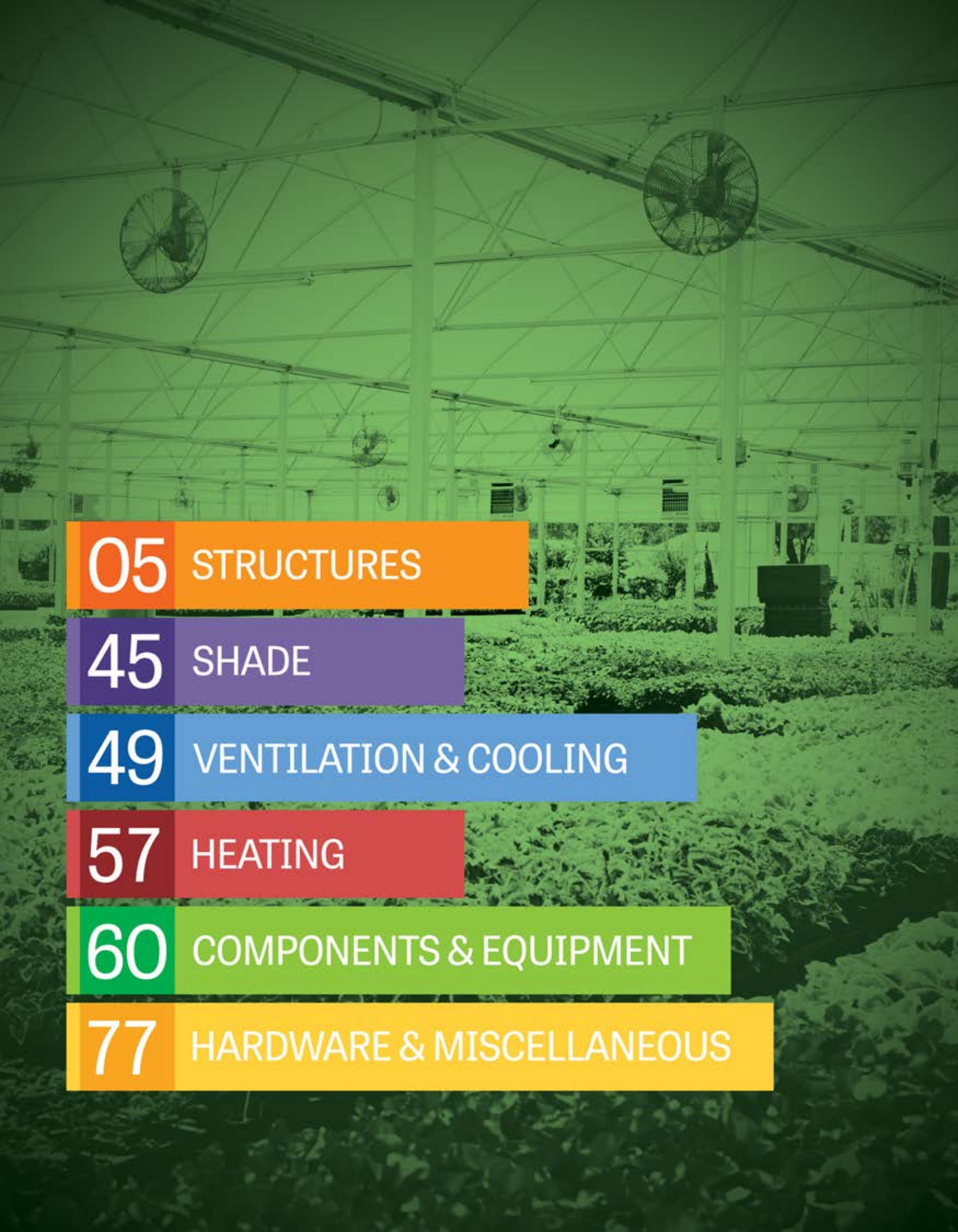


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Atlas Manufacturing, Inc. is a manufacturer of commercial and educational greenhouse systems, based in Alapaha, Georgia. The company was founded in 1986 as a regional greenhouse supplier and today is producing greenhouses worldwide. Atlas has a 60,000 square foot manufacturing and production warehouse facility that supplies a full-line of greenhouse equipment and accessories. This on-site capability is unlike our competitors and allows for a faster response time for filling most components of greenhouse orders.

A photograph of a large greenhouse interior, showing rows of plants growing in beds. The structure is supported by a metal frame, and several large industrial fans are mounted on the ceiling. The image is overlaid with a semi-transparent green filter.

05 STRUCTURES

45 SHADE

49 VENTILATION & COOLING

57 HEATING

60 COMPONENTS & EQUIPMENT

77 HARDWARE & MISCELLANEOUS

ATLAS WINNERS

SCHOLARSHIPS



Morgan Hart | Moultrie, GA

Morgan is FFA Vice-President, Team Captain of the cross country team and a member of the Key Club, Peer Leadership and Leadership Colquitt County. He plans to attend ABAC. Go Stallions!

Pictured with Colquitt High School Horticulture Teacher, Adrienne Gentry Smith.



Emily Keener | Shelby, NC

Emily is an officer in the FFA at Crest High School and a member of the Beta Club. She plans to attend North Carolina State University. Go Wolfpack!

Pictured with Crest High School Agricultural Teachers, Matt Harris and Kaye Harris.



Tanner Foster | Calhoun, GA

Tanner is FFA President at Calhoun High School and a member of the Beta Club, Gordon City Youth Leadership and the cross country team. He plans to attend UGA. Go Dawgs!

Pictured with Calhoun High School Agricultural Teacher, Nick Cantrell.

PHOTO CONTEST



Photo Contest Winner - 1st Place

Chip & Leslie Brickell - Leslie's Orchid House
*Photo Taken by Terry Bottom



Photo Contest Winner - 2nd Place

Van Burnette - Hop'n Blueberry Farm



Photo Contest Winner - 3rd Place

Sara Genova - DiSanti Farms



Photo Contest Winner - 4th Place

David Poulos - Tiny Farm

GUTTER CONNECT STRUCTURES



Our gutter connected greenhouse structures provide growers across the country with cost-effective solutions. With our extruded aluminum gutters with built-in poly attachment and column to post connection, growers save time and money on construction costs. At Atlas, we work with each individual customer to discuss your specific needs in order to provide the best solution for your growing operation.





With three distinct styles, Atlas has the gutter connected greenhouse to fit your needs. Our structures are offered in Quonset, A-Frame or semi-Gothic styles with widths ranging from 20'-30' and gutter heights from 8'-14'. Whether you need low cost poly covered structures to cover large acreage or polycarbonate structures for retail or institutional needs, we've got you covered.



GRAND PEAK GUTTER CONNECT



The newest addition to our gutter connect series of structures is the "Grand Peak." With its wide width galvanized gutters and 8 mm polycarbonate roof covering, the Grand Peak Series offers years of maintenance free use. Available in 20', 24' and 30' width bays, rafters are pre-welded and save valuable time and money on installation costs.

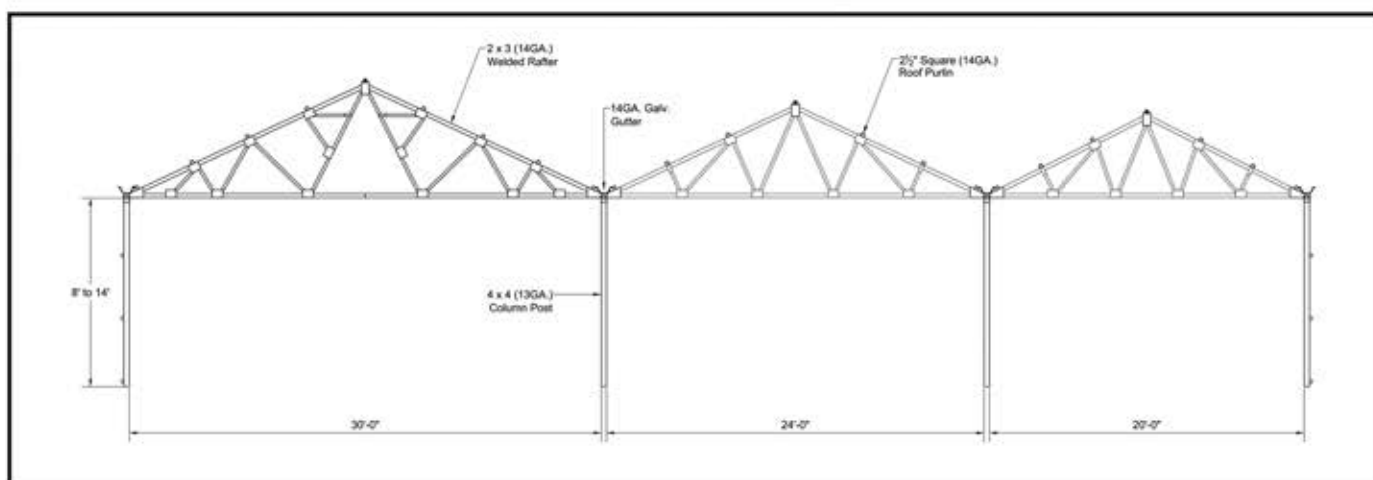
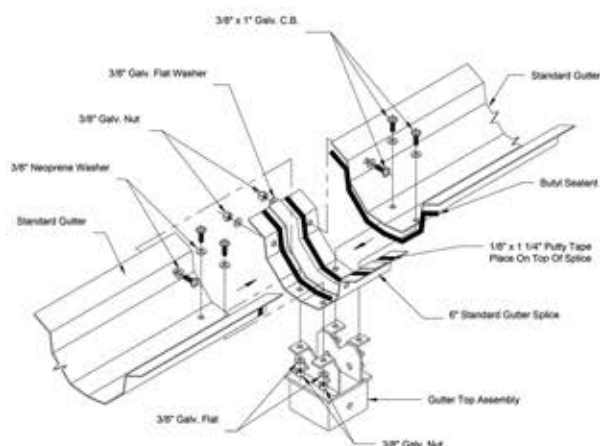


GRAND PEAK GUTTER CONNECT

- Available in 20', 24' and 30' wide bays
- 8 mm polycarbonate roof covering
- Pre-welded rafters allow for easier installation
- Option of concrete slab or pier installation
- Ideal structure for retail or educational applications

Standard Specifications:

- 2 x 3 (14 gauge) welded clear span rafters (12 spacing)
- 4 x 4 (13 gauge) column post (12' spacing)
- 2 1/2 square x 14 gauge roof purlins
- 14 gauge galvanized gutters
- Extruded aluminum profiles for polycarbonate covering



PRO-COM GUTTER CONNECT

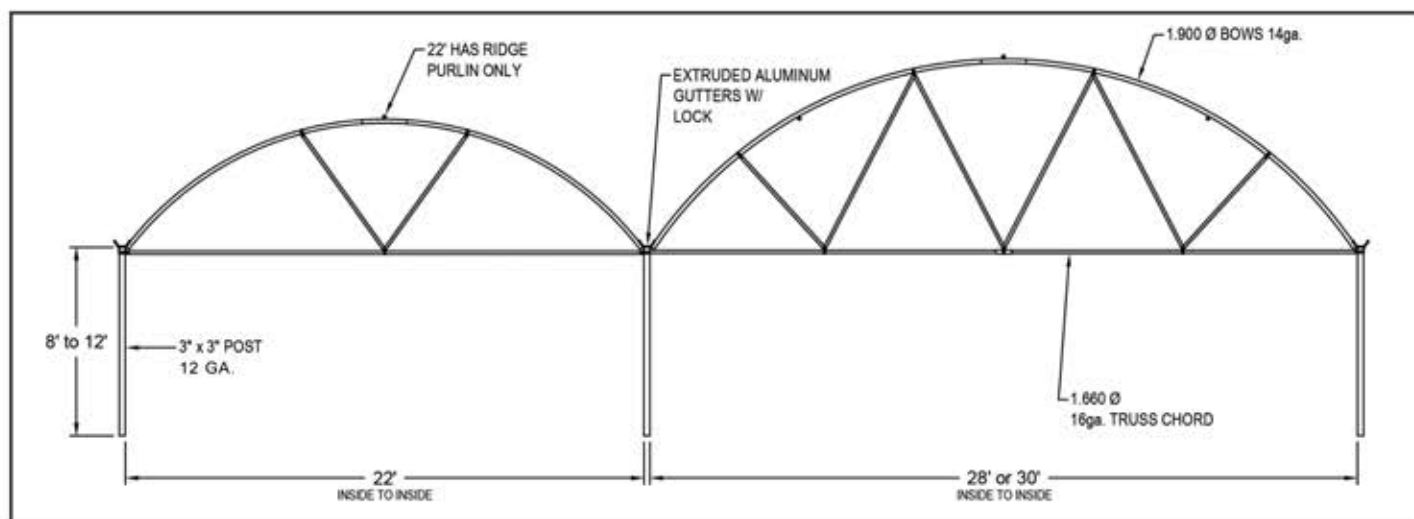
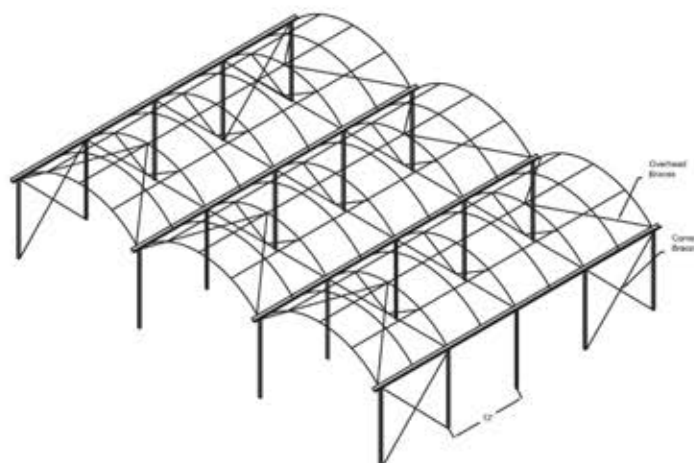


Our Pro-Com Series greenhouse is fully engineered and is the most cost-effective model in its class. With extruded aluminum gutters and fewer parts overall, the Pro-Com Series will significantly reduce your setup costs. The Pro-Com Series is designed and engineered to withstand most wind and snow loads throughout 75% of the United States without any changes or modifications.



PRO-COM GUTTER CONNECT

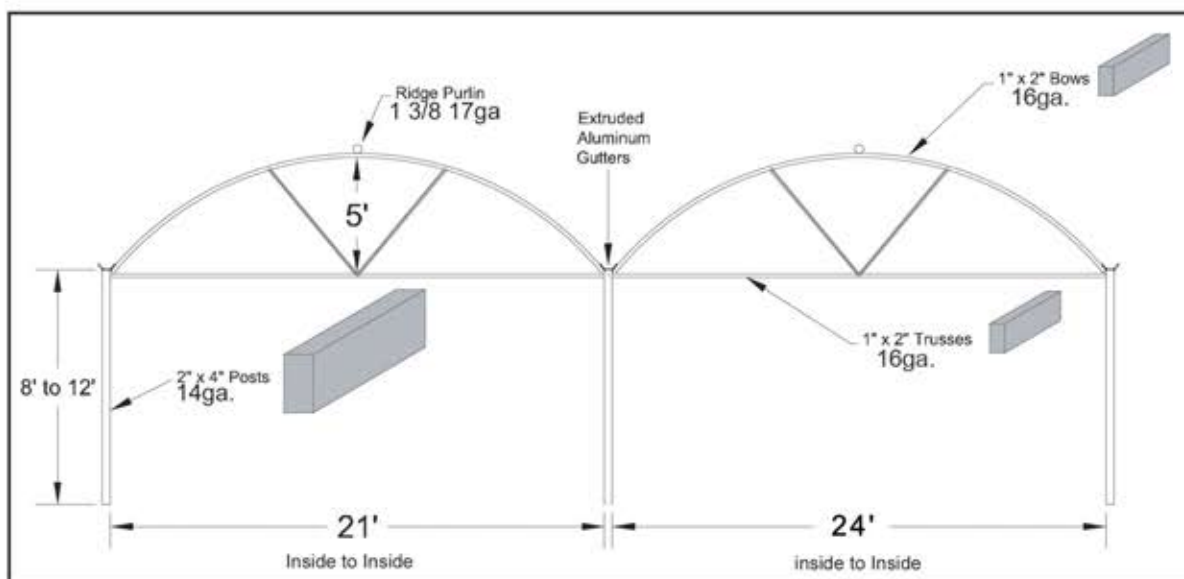
- 3" x 3" column posts (12' spacings)
- 1.900 (14 gauge) bows
- 1.315 (17 gauge) purlin
- Extruded aluminum gutters
- Choice of 22', 28' or 30' width bays
- Overhead cable and side wall bracing



RT™ GUTTER CONNECT

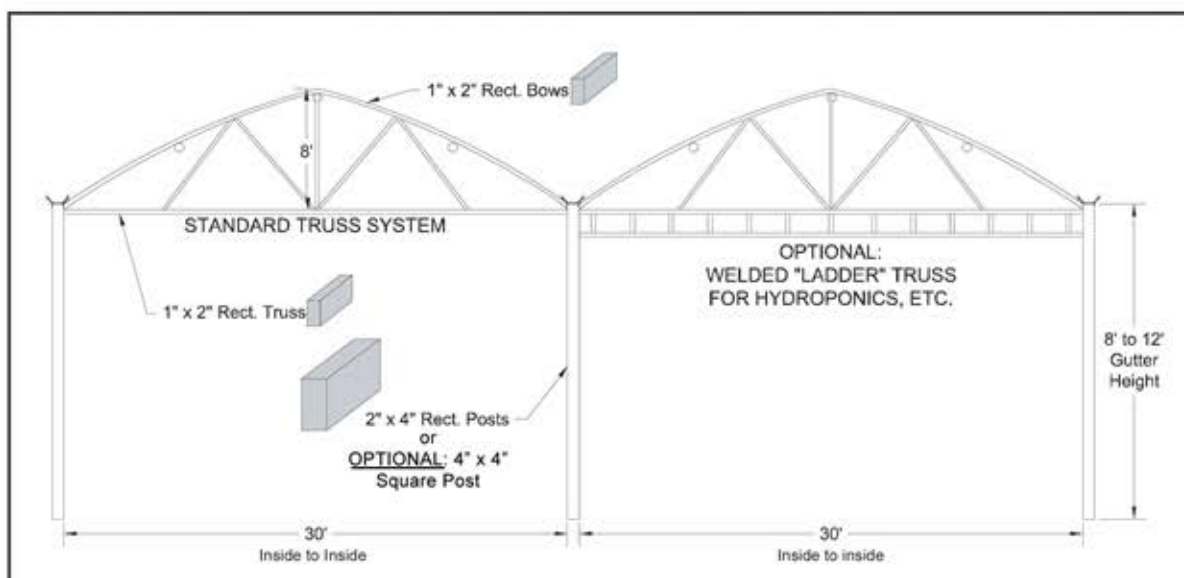


Atlas' RT™ Series 21", 24' and 30' wide gutter connect is framed using all rectangular tubing that offers incredible strength, versatility and labor-saving construction. Our gutter-to-post connection is made easy by our aluminum gutter designed to fit over the 2" x 4" or 4" x 4" column post and secured with one 5" long bolt and nut. In addition, the aluminum gutter has double bolt tracks extruded on each side for easy attachment of bows and gutter splices. Poly fasteners are extruded inside the gutters to eliminate screws and bolts usually required to attach lock.



RT™ GUTTER CONNECT

- 2" x 4" column posts
- 1" x 2" (16 gauge) bows
- 1" x 2" (16 gauge) trusses
- 1.315 (17 gauge) purlin
- Extruded aluminum gutter
- Overhead cable braces



SUPER ARCH GUTTER CONNECT

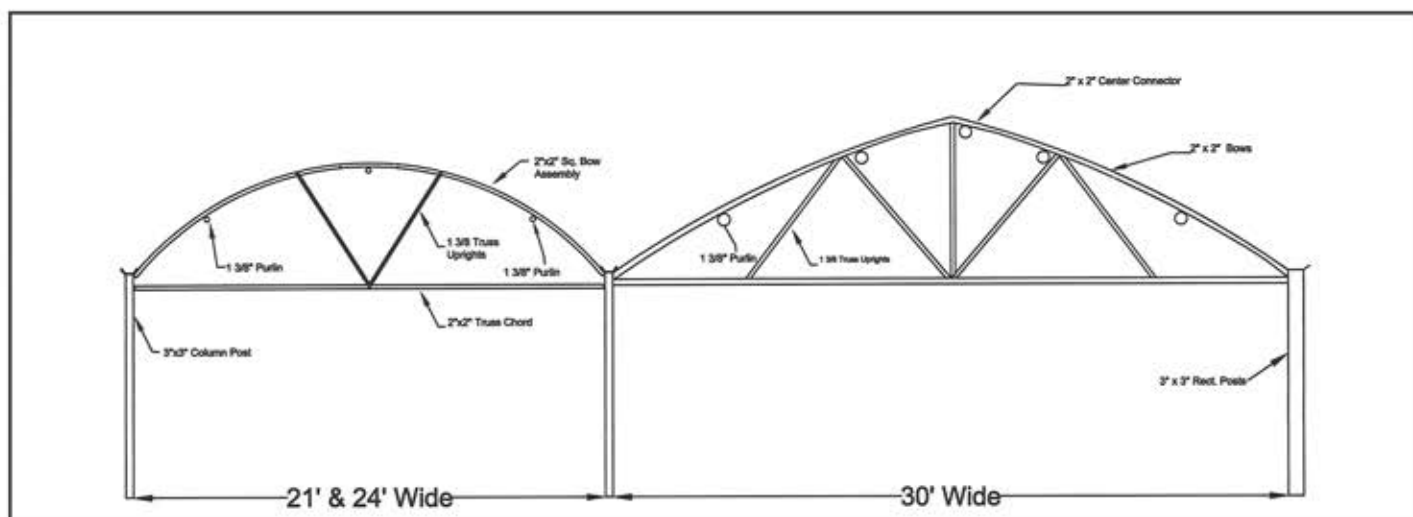
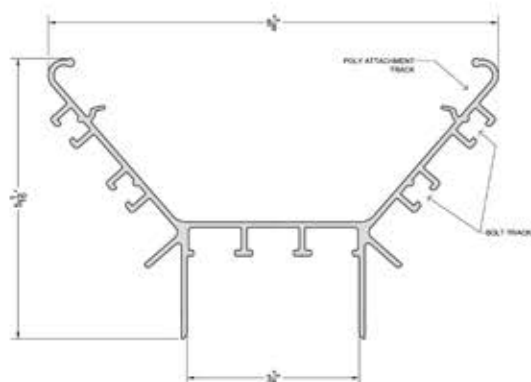


The Super Arch Series is the perfect gutter connect structure when you need top quality at an economical price. It offers superior strength for high snow load applications but still maintains a cost that is well within a grower's budget. Product to product, cost to cost, growers will not find a more economical gutter connect structure. Standard 21', 24' and 30' width models are available with gutter heights up to 14'. Equip the Super Arch structure with Atlas' E-Z Roll-Up curtain systems and ridge vent for energy-efficient natural ventilation or fans and shutters



SUPER ARCH GUTTER CONNECT

- Choice of 21', 24' or 30' clear span widths
- 4' or 6' bow spacing
- Pre-punched holes for easy installation
- 2" square (14 gauge) bows
- 2" square (14 gauge) truss chord
- 3" x 3" column posts (12 gauge)
- 3 runs 1.315 (17 gauge) purlins on 21' and 24' models
- 5 runs 1.315 (17 gauge) purlins on 30' model
- Excellent for natural ventilation



SNOW ARCH GUTTER CONNECT

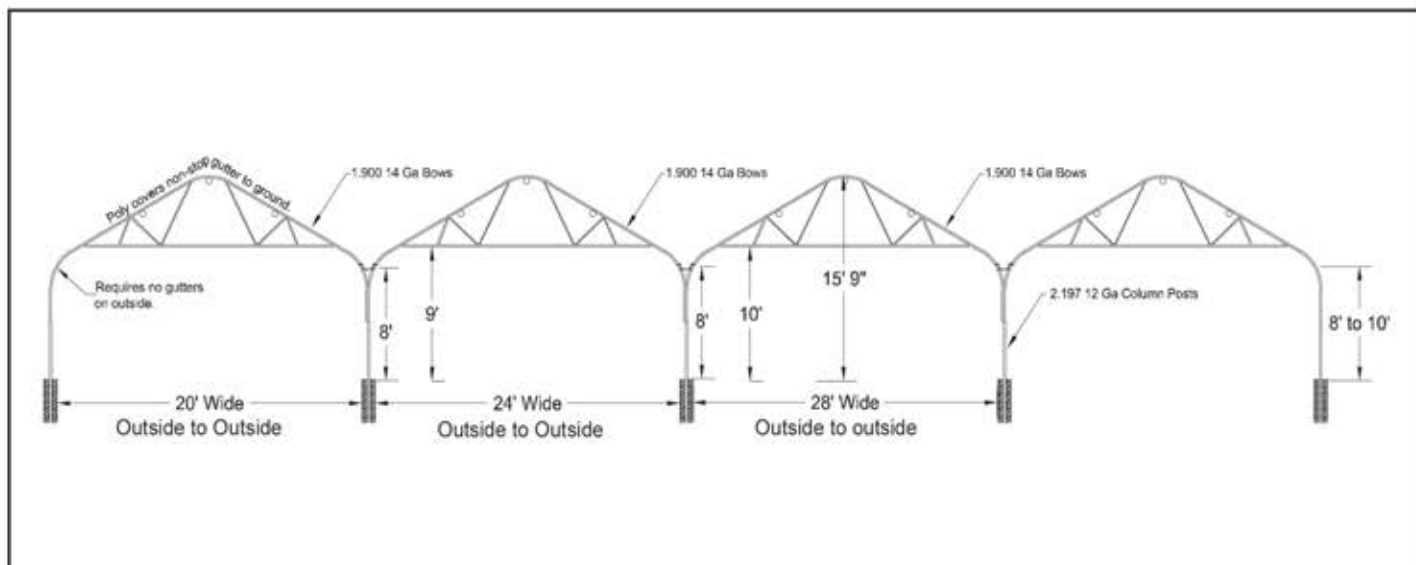
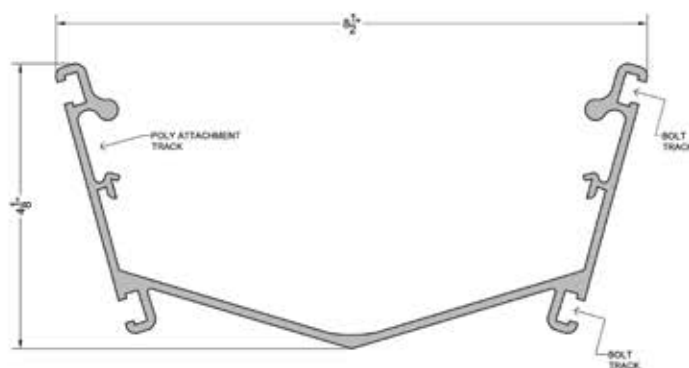


The Snow Arch Gutter Connect Series is the most affordable professional-grade structure due to the fact that no outside gutters are required. Plus, our posts and bows are spaced according to your choice of 4', 5' or 6' apart, therefore eliminating the need for huge column posts. In addition, there are NO expensive brackets used to attach the gutters to posts. The frame supports the gutters as opposed to the gutters supporting the frame! The Snow Arch Gutter Connect structure is offered with 8' to 10' gutter heights.



SNOW ARCH GUTTER CONNECT

- Extremely simple to build
- 2.197" (12 gauge) post
- 1.900" (14 gauge) bows
- 1.315" (17 gauge) purlins (3 runs)
- Easy to customize without high costs
- Extruded aluminum gutters with built-in snap lock
- Choice of 20', 24' or 28' wide bays
- Ready to hang baskets from trusses



TROPICAL GUTTER CONNECT

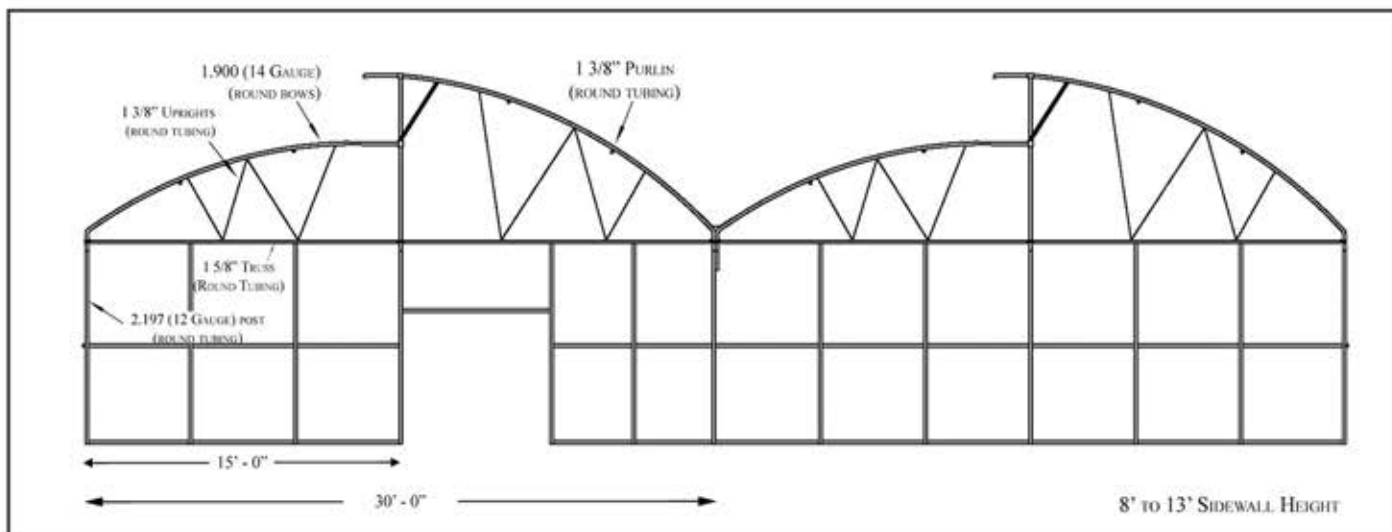
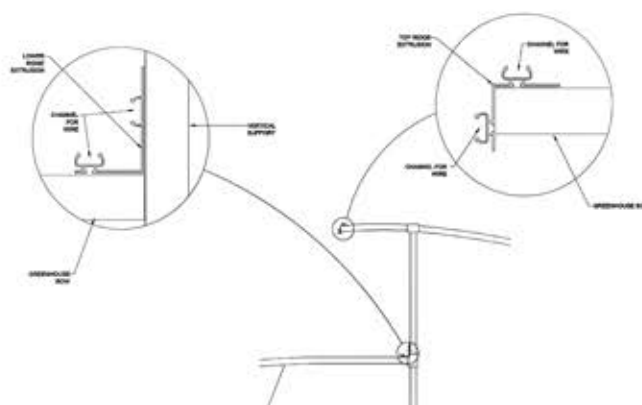


The Tropical Gutter Connect Series is designed specifically for growers that are located in tropical climates where natural ventilation is required for both day and night growing conditions. With its "always open" roof vent and higher eave height, growers can achieve optimum cross ventilation. An additional added feature/benefit is the built-in crop support system that is incorporated into the structure design. Available in single or multi bay configurations, the Tropical Gutter Connect series has the features you are looking for at an affordable price.



TROPICAL GUTTER CONNECT

- 2.197 (12 gauge) column posts
- 1.900 (14 gauge) bow assemblies
- 1.315 (17 gauge) purlins (4 runs)
- 1.660 (16 gauge) cross trusses
- 1.315 corner wind braces
- Includes complete assembly hardware



GUTTER CONNECT PACKAGES



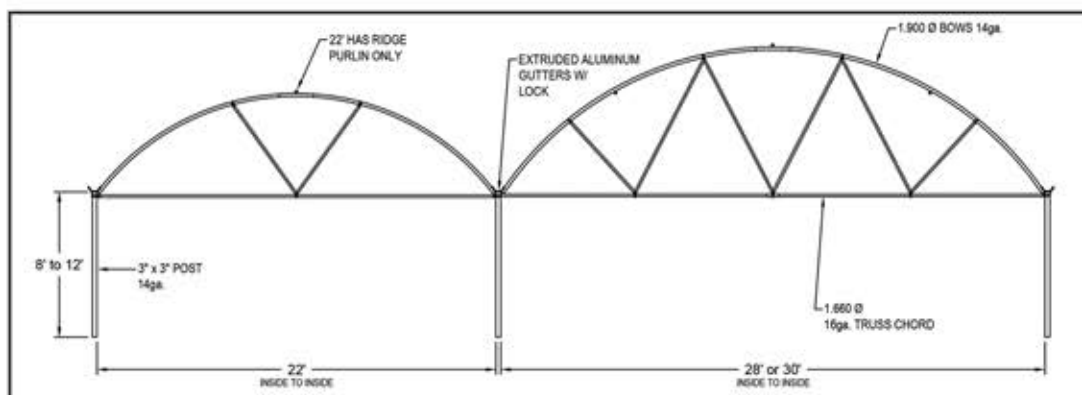
84 X 96 PRO-COM GUTTER CONNECT (3 BAY 28' X 96') \$23,250

Natural Ventilation Package

The Pro-Com Gutter Connect is the most cost-efficient gutter connect greenhouse on the market today. This package, complete with Atlas E-Z Roll-Up curtain systems, can save you even more money by taking advantage of energy-efficient natural/passive ventilation.

Natural Ventilation Package Includes:

- 3" x 3" x 12 gauge column posts
- 1.900" x 14 gauge bows
- 3 runs of 1.315" 17 gauge purlins
- 8' side wall height
- Extruded aluminum gutters with built-in poly lock
- 2 layers of 6 mil. poly for top and ends of greenhouse
- 3 inflation systems with blower motors, mounting brackets and jumper hoses
- (2) 8' x 96' E-Z Roll-Up curtain systems with manual cranks





84 X 96 PRO-COM GUTTER CONNECT (3 BAY 28' X 96') \$29,775

Mechanical Ventilation Package

Our Pro-Com (3 bay) Gutter Connect package with exhaust fans and properly sized, motorized shutters relies on mechanical ventilation. An advantage of a greenhouse equipped with mechanical ventilation is a higher level of control. Mechanically ventilated systems can be automated to keep a greenhouse's conditions consistent.

Mechanical Ventilation Package Includes:

- 3" x 3" x 12 gauge column posts
- 1.900" x 14 gauge bows
- 3 runs of 1.315" 17 gauge purlins
- 8' side wall height
- Extruded aluminum gutters with built-in poly lock
- 2 layers of 6 mil. poly for top, sides and ends of greenhouse
- 3 inflation systems with blower motors, mounting brackets and jumper hoses
- (6) 42" exhaust fans
- Properly sized, motorized shutters

"Our Most Popular Gutter Connect Series"

FREE-STANDING STRUCTURES



At Atlas, we have been building free-standing greenhouses for nearly 30 years. Our common sense approach to greenhouse design has resulted in cost-effective, energy-efficient structures combined with ease of installation. If your location requires high winds or heavy snow building codes, Atlas has the perfect structure for you. From the reliable Snow Arch Series to the ultimate RT™ Max or Super Arch, Atlas has you covered.





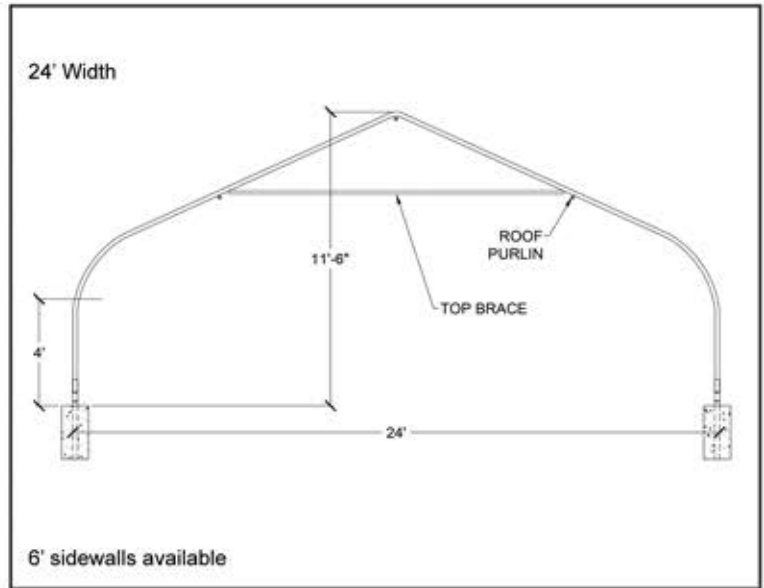
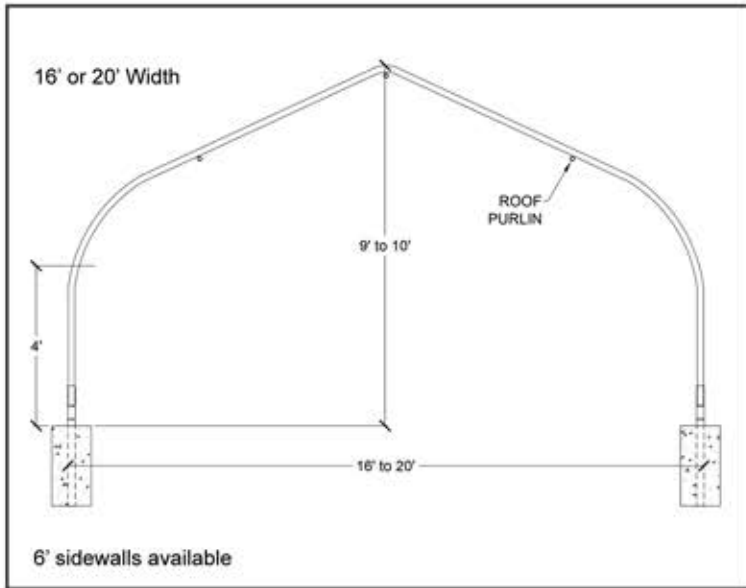
With available widths from 16'-25' clear spans and sidewall heights from 4'-10', Atlas has more solutions for your free-standing structure requirements. With choices of round, rectangular and square tubing, and covering options of poly or polycarbonate, we've got the right structure, at the right price, to help you grow your business.



SNOW ARCH SERIES



Atlas understands that growers need versatility, strength and labor-saving construction. Our Snow Arch Series offers the strength and versatility to accommodate various widths, side wall heights, drop-down or roll-up curtains, roof ventilation, fans, shutters and/or cooling pad systems. The Snow Arch Series has proven to be a very popular and affordable multi-purpose greenhouse for growers across the country.

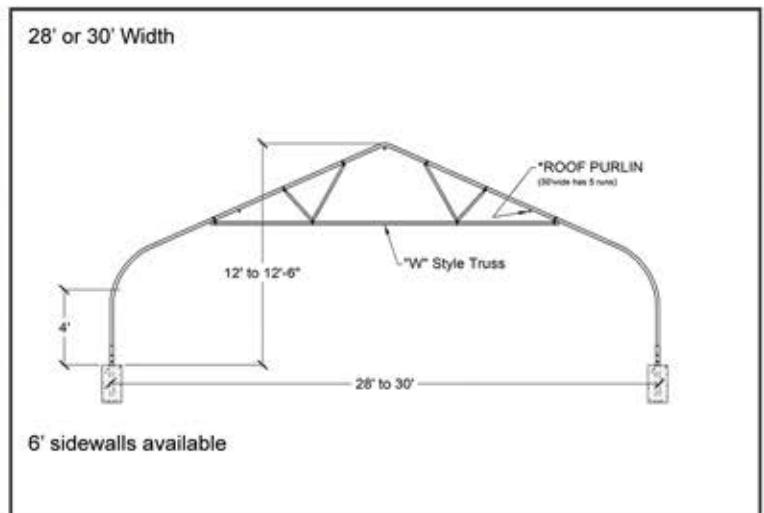


SNOW ARCH SERIES

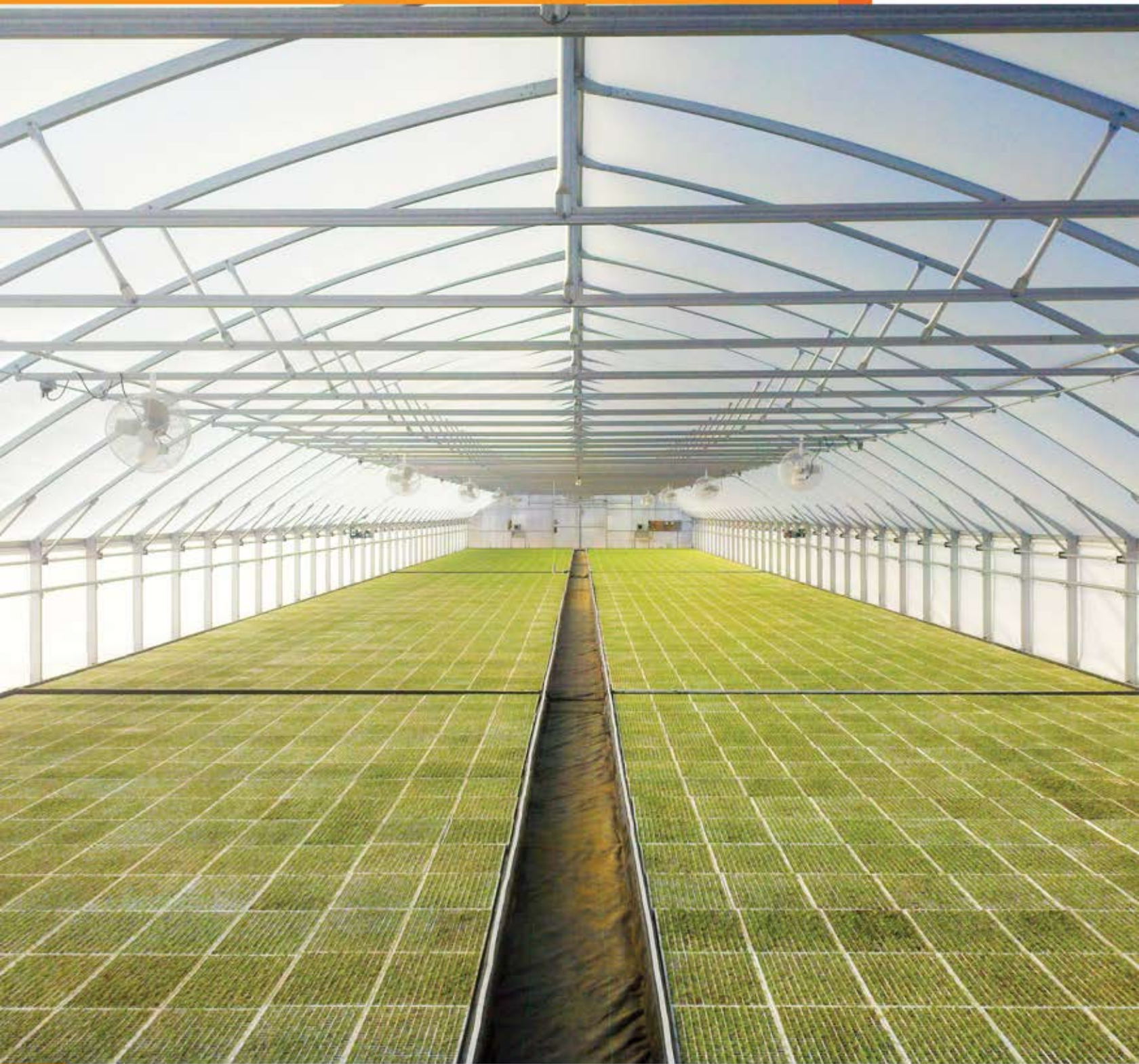
- 2.197" (12 gauge) anchor post
- 1.900" (14 gauge) bow assemblies
- 1.315" (17 gauge) purlins (3 runs)
- NOTE: 30' wide has 5 runs
- 1.660" (16 gauge) cross trusses
- 1.315" (17 gauge) corner wind brace
- Complete assembly hardware

POLY COVERING REQUIREMENTS

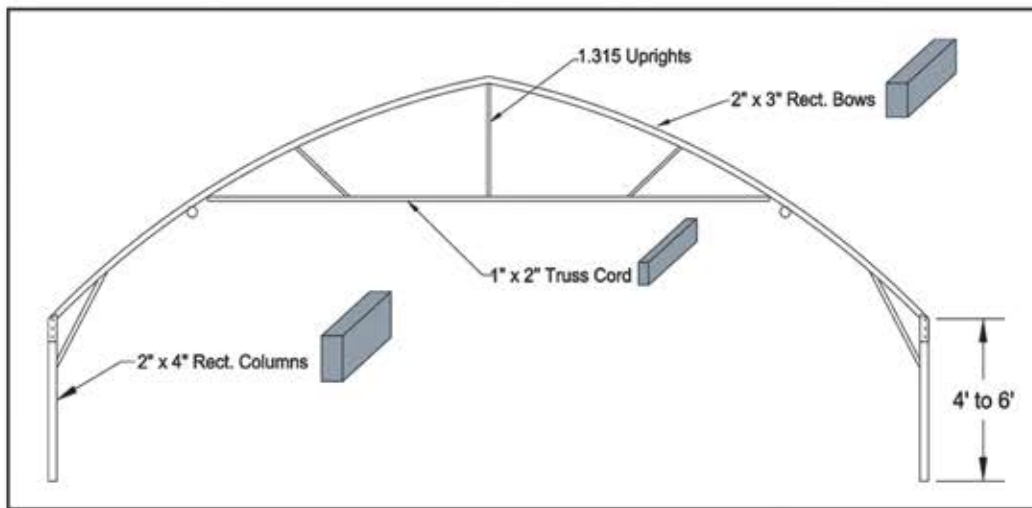
WIDTH	4' SIDES	6' SIDES	EAVE TO EAVE
16'	28' POLY	32' POLY	24' POLY
20'	32' POLY	36' POLY	28' POLY
24'	40' POLY	42' POLY	32' POLY
28'	42' POLY	48' POLY	36' POLY
30'	48' POLY	48' POLY	36' POLY



RT™ MAX MUSCLE SERIES

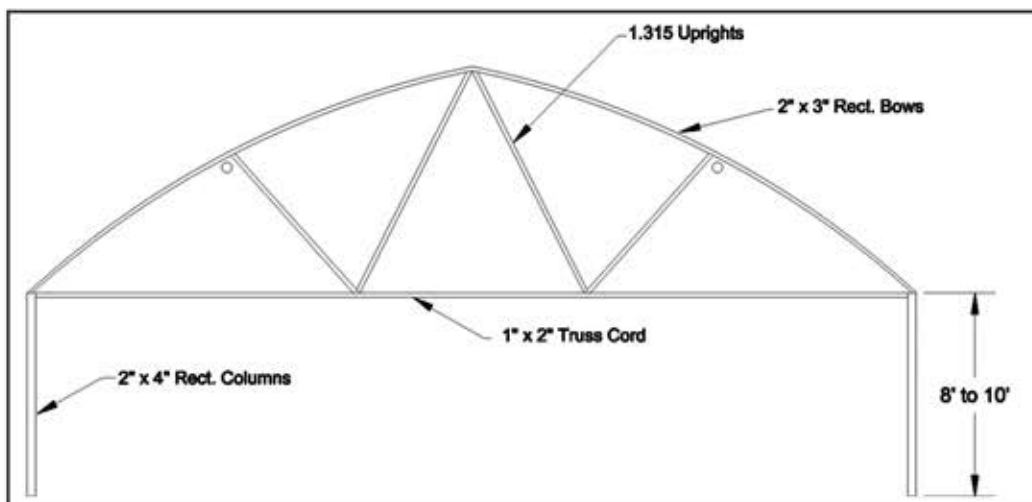


The RT™ Max Muscle offers growers the ultimate in strength and versatility. With straight side walls from 4' to 10' tall, it makes an excellent choice for natural ventilation. The RT™ Max Muscle is framed using 2" x 4" column posts, 2" x 3" rectangular bows and 1" x 2" rectangular cross trusses. Growers take advantage of the extra square footage gained by using the 30' or 35' clear span width. The RT™ Max Muscle is widely used by wholesale, hydroponics and transplant growers. Additionally, the sides and/or ends can be equipped with polycarbonate to make an outstanding and attractive retail sales center.



RT™ MAX MUSCLE SERIES

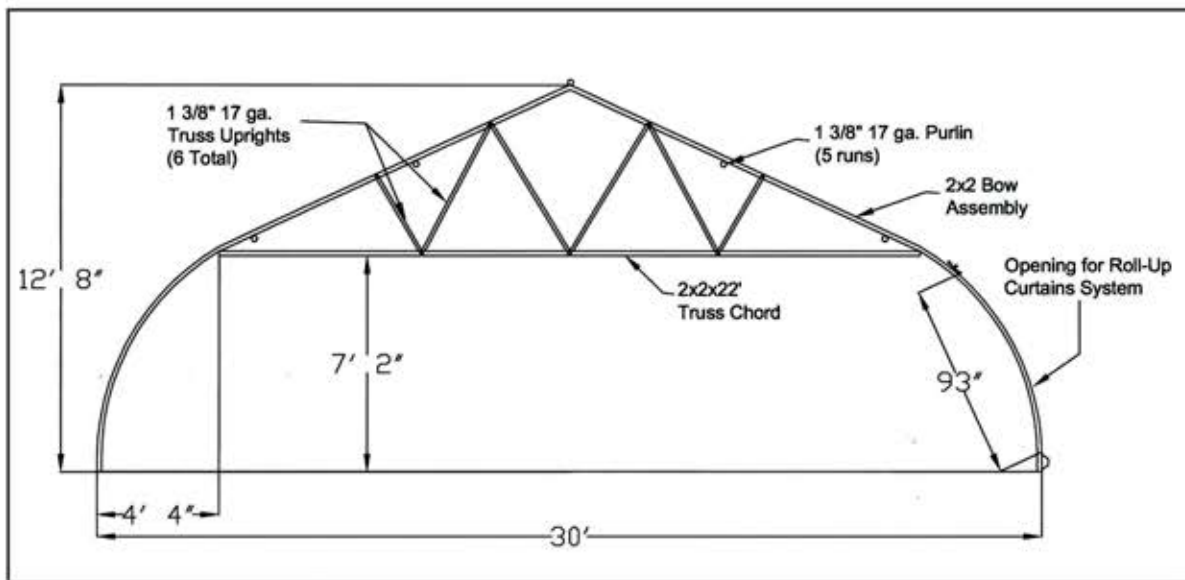
- 2" x 4" (14 gauge) column post
- Massive 2" x 3" (14 gauge) rectangular bow assemblies
- 1.315" purlins (2 runs)
- Galvanized ridge hat purlin (1 run)
- 1" x 2" rectangular cross trusses
- 30' and 35' clear span width
- 4' to 10' side walls
- 30' wide requires 36' poly (top)
- 35' wide requires 42' poly (top)



SUPER ARCH SERIES

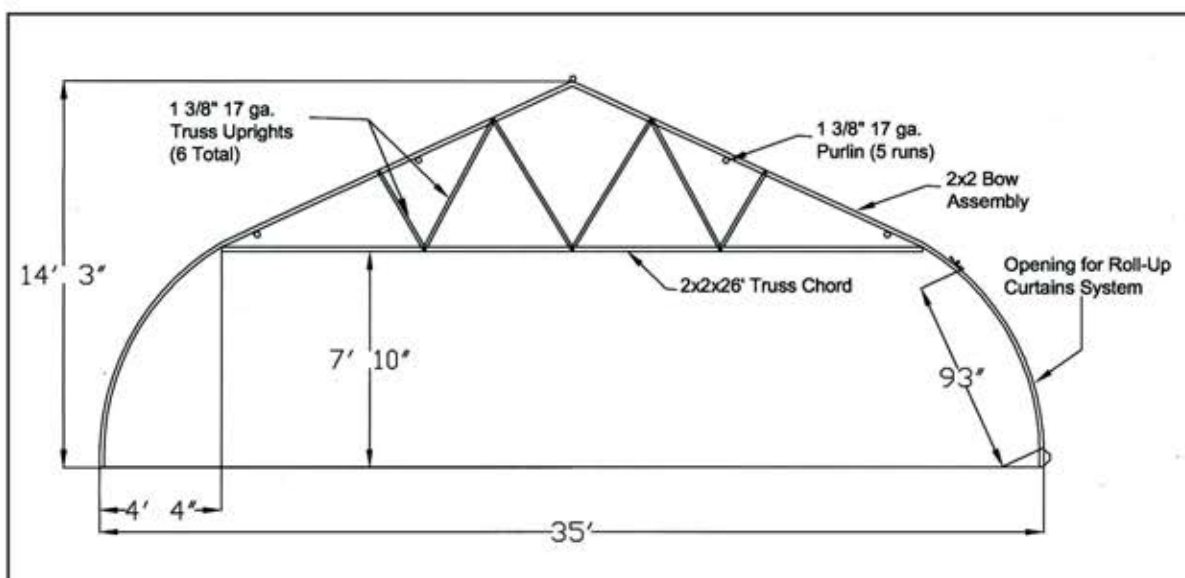


With pre-punched, two-square framing, the Super Arch Series offers superior strength and ease of installation. The standard 30' and 35' width base models, with approximately 8' truss height, are ideal for hanging basket applications. It can easily be modified for "high tunnel" use, which needs a wide width and superior strength. Available with 24" extended wall height. Equip the Super Arch with Atlas' E-Z Roll-Up curtain system and you achieve nearly 30% of open structure for natural ventilation.



SUPER ARCH SERIES

- Choice of 30' or 35' clear span widths
- 4', 5' or 6' post spacings
- Pre-punched holes for easy installation
- 2" square (14 gauge) bows and columns
- 5 runs 1.315 - 17 gauge purlins
- Excellent for natural ventilation
- Designed for northern climates

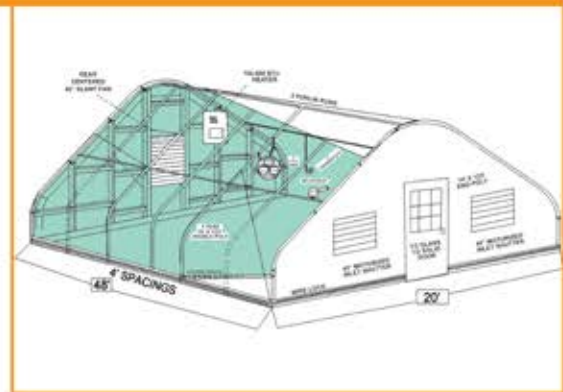


FREE-STANDING PACKAGES

20 X 48 SNOW ARCH PACKAGE \$5,795

The Atlas 20' x 48' Snow Arch greenhouse package is covered with 2 layers of 6 mil. 4-year greenhouse film and inflated with our 60 cfm inflation kit that helps reduce heating and cooling costs. Heated with our 145,000 BTU ADP power vented heater with spark ignition and aluminized burner for many years of great service. Included are the heavy-duty heater hanger, vent pipe kit and Johnson thermostat control.

Ventilation is achieved with (2) 18" HAF fans (3215 cfm, ea.) and (2) 45" motorized shutters for fresh air intake, (1) 42" Quietaire GCS slant wall exhaust fan (15,490 cfm), both controlled with a Johnson 2 stage thermostat.



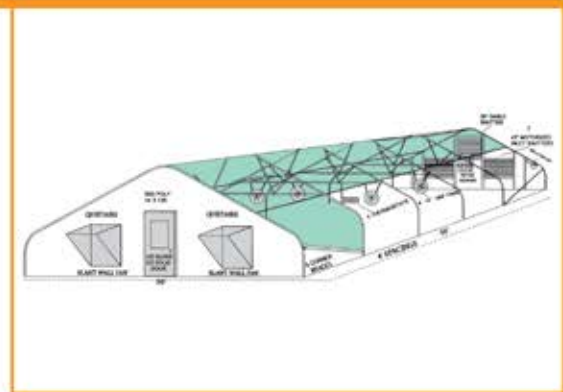
See more features on our website.

- All galvanized steel frame
- 4' side wall height (optional 6')
- 4' bow spacing
- 2.197" x 12 gauge anchor posts
- 1.900" x 14 gauge bows
- 3 runs of 1.315 x 17 gauge purlins
- Inflation system
- (1) 3' x 6'-8" insulated door in pre-hung aluminum frame

30 X 96 SNOW ARCH \$11,549

The Atlas 30' x 96' Snow Arch greenhouse package is covered with 2 layers of 6 mil. 4-year greenhouse film and inflated with our 60 cfm inflation kit that helps reduce heating and cooling costs. Heated with our 300,000 BTU ADP power vented heater with spark ignition and aluminized burner for many years of great service. Included are the heavy-duty heater hanger, vent pipe kit and Johnson thermostat control.

Ventilation is achieved mechanically with (4) 18" HAF fans (3215 cfm, ea.) and (2) 45" and (1) 39" motorized shutters for fresh air intake, (2) 42" Quietaire GCS slant wall exhaust fans (15,490 cfm, ea.); all controlled with a Johnson single stage thermostats.



See more features on our website.

- All galvanized steel frame
- 4' side wall height (optional 6')
- 4' bow spacing
- 2.197" x 12 gauge anchor posts
- 1.900" x 14 gauge bows
- 5 runs of 1.315 x 17 gauge purlins
- "W" style truss on very other bow
- Inflation system
- (1) 3' x 6'-8" insulated door in pre-hung aluminum frame

30 X 96 SNOW ARCH \$11,549

The Atlas 30' x 96' Snow Arch greenhouse package is covered with 2 layers of 6 mil. 4-year greenhouse film and inflated with our 60 cfm inflation kit that helps reduce heating and cooling costs. Heated with our 300,000 BTU ADP power vented heater with spark ignition and aluminized burner for many years of great service. Included are the heavy-duty heater hanger, vent pipe kit and Johnson thermostat control.

Ventilation is achieved naturally/ passively with (4) 18" HAF fans (3215 cfm, ea.) and (2) Z-Lock Drop-Down curtain systems with manual crank package.



- All galvanized steel frame
- 6' side wall height
- 4' bow spacing
- 2.197" x 12 gauge anchor posts
- 1.900" x 14 gauge bows
- 5 runs of 1.315 x 17 gauge purlins
- "W" style truss on very other bow
- Inflation system
- (1) 3' x 6'-8" insulated door in pre-hung aluminum frame

The Ideal
Transplant
Structure



35 X 96 RT™ MAX GREENHOUSE

\$12,999

The RT™ Max Muscle offers growers the ultimate in strength and versatility. The RT™ Max Muscle is framed using 2" x 4" column posts, 2" x 3" rectangular bows and 1" x 2" rectangular cross trusses.

Package Includes:

- Allied Gatorshield® tubular frame
- 6' side wall height
- Covered with 2 layers of 4-year, 6 mil. poly
- Inflation system (blower, mounting bracket, baffle - pre assembled)
- 4 HAF fans 3215 cfm each
- (2) 6' Z-Lock Drop-Down curtain systems with manual crank packages
- (1) 300,000 BTU LP gas power vented heater with vent pipe kit and heavy-duty heater hanger
- (1) 3' x 6'-8" insulated door in pre-hung aluminum frame



EDUCATOR™ SERIES



The Educator™ is built with massive galvanized rectangular framing and covered with 8mm polycarbonate covering, that not only offers superior strength, but gives the structure a clean and attractive appearance. Whether used for an educational classroom or as an upscale retail garden center, you can have confidence that it will last for many years of growing pleasure. Let Atlas custom design an Educator™ package for you today!



EDUCATOR™ SERIES

Package Includes:

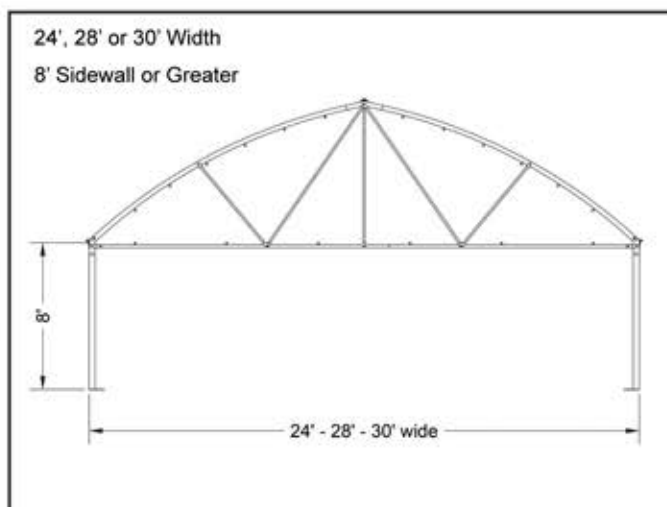
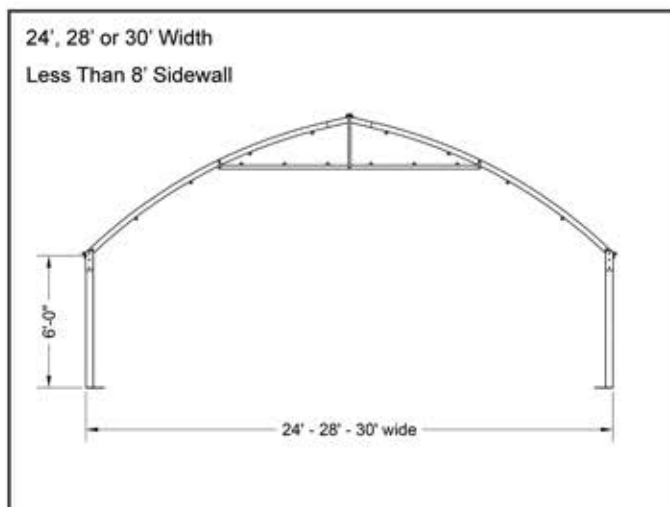
- Fire safe 8 mm polycarbonate covering
- Cooling & heating equipment
- Environmental controls
- All metal benches
- Hanging basket rails
- Complete irrigation system

Available Options:

- 24', 28' and 30' widths
- Any length in 6' increments
- 4' to 10' side walls
- Custom sizes available

Key Features:

- Vertical side walls
- Gothic roof design
- ADA approved doors
- Engineered for code compliance



SCHOLAR SERIES



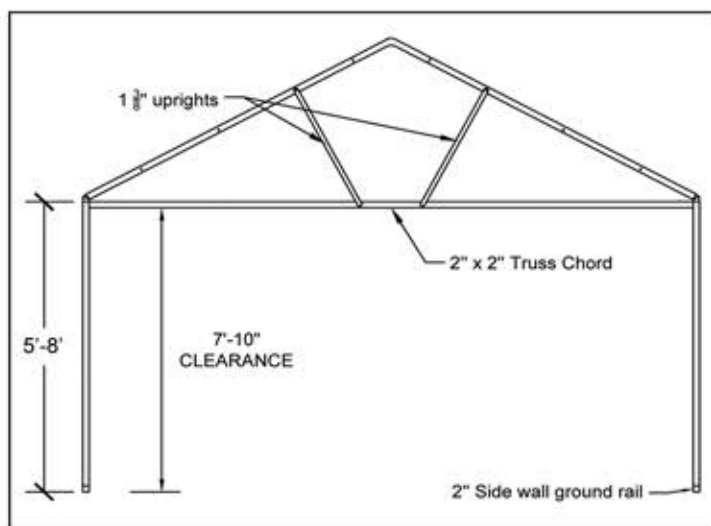
The Scholar is available in either 12' or 16' widths, any length in 6' increments and a standard side wall height of 5' or optional 6', 7' or 8' utilizing a 2x2" galvanized base rail system for ease of construction. The Scholar is covered with a commercial grade 8 mm twinwall polycarbonate, with a 10-year warranty and 15 to 20-year life expectancy. This polycarbonate is highly energy-efficient and practically unbreakable. Optional accessories include shade cloth, fans, shutters, cooling systems, gas or electric heaters, bench systems and hanging basket rails.



SCHOLAR SERIES

Features include:

- 2" x 2" square galvanized steel frame
- 8 mm twinwall polycarbonate glazing
- Aluminum extrusions
- ADA compliant entrance door
- 5'-8" side wall heights
- 2" x 2" square base rail mounting system
- Ideal for the smaller classroom



EDUCATIONAL PACKAGES

24 X 30 X 5 EDUCATOR™ BASIC \$16,195

Our smaller Educator™ is the most popular greenhouse used by middle schools and in smaller class room settings around the nation. Made of Allied Gatorshield® galvanized tubing and covered with 8 mm polycarbonate covering, it offers superior strength and a clean and attractive appearance that will compliment any landscape.

- Allied Gatorshield® tubular frame
- 8 mm twin wall polycarbonate for roof, side walls and end walls
- (2) 42" x 6'-6" ADA entry doors with lockset
- (2) 30" Quietaire GCS slant wall exhaust fans 1/2 hp 6956 cfm each; 1 fan is 2 speeds and 1 fan is single speed (both equipped with shutter and guard)
- 2 properly sized motorized shutters
- 1 ADP 100,000 BTU L.P. powered vent heater
- 2 HAF fans
- 6 runs of hanging basket rails



See more features on our website.

24 X 48 X 5 EDUCATOR™ BASIC \$19,295

The 24 x 48 x 5 Educator™ is perfect for both middle and high school classes. Made of Allied Gatorshield® galvanized tubing and covered with 8 mm polycarbonate covering, it offers superior strength and a clean and attractive appearance that will compliment any landscape.

- Allied Gatorshield® tubular frame
- 8 mm twinwall polycarbonate for roof, side walls and end walls
- (2) 42" x 6'-6" ADA entry doors with lockset
- (2) 30" Quietaire GCS slant wall exhaust fans 1/2 hp 6956 cfm each; 1 fan is 2 speeds and 1 fan is single speed (both equipped with shutter and guard)
- 2 properly sized motorized shutters
- 1 ADP 145,000 BTU L.P. powered vent heater
- 2 HAF fans
- 6 runs of hanging basket rails



See more features on our website.

30 X 48 X 5 EDUCATOR™ BASIC \$22,715

The 30 x 48 x 5 Educator™ is the most popular greenhouse for high school and higher education applications. Made of Allied Gatorshield® galvanized tubing and covered with 8 mm polycarbonate covering, it offers superior strength and a clean and attractive appearance that will compliment any landscape.

- Allied Gatorshield® tubular frame
- 8 mm twinwall polycarbonate for roof, side walls and end walls
- (2) 42" x 6'-6" ADA entry doors with lockset
- (2) 42" Quietaire GCS slant wall exhaust fans 1 hp 5490 cfm each; 1 fan is 2 speeds and 1 fan is single speed (both equipped with shutter and guard)
- 3 properly sized motorized shutters
- 1 ADP 250,000 BTU L.P. powered vent heater
- 2 HAF fans
- 6 runs of hanging basket rails



See more features on our website.

30 X 72 X 8 EDUCATOR™ BASIC \$30,985

Our 30 x 72 x 8 Educator™ makes a perfect educational teaching tool for middle schools, high schools and college classes. Made of Allied Gatorshield® galvanized tubing and covered with 8 mm polycarbonate covering it offers superior strength and a clean and attractive appearance that will compliment any landscape.

- Allied Gatorshield® tubular frame
- 8 mm twinwall polycarbonate for roof, side walls and end walls
- (2) 42" x 6'-6" ADA entry doors with lockset
- (2) 42" Quietaire GCS slant wall exhaust fans 1 hp 15490 cfm each;
1 fan is 2 speeds and 1 fan is single speed (both equipped with shutter and guard)
- 3 properly sized motorized shutters
- 1 ADP 250,000 BTU L.P. powered vent heater
- 4 HAF fans
- 6 runs of hanging basket rails



See more features on our website.

16 X 24 SCHOLAR \$9,860

Perfect for the smaller classroom or beginning horticulture class, Atlas' Scholar greenhouse is constructed with commercial quality components at a price that won't break the bank. It is 16' wide and 24' long with 5' side wall height and is covered with the industry's best 8 mm twinwall polycarbonate, offering a 10-year warranty with a 20-year life expectancy. Above ground construction utilizes 2" x 2" galvanized base rails with pre-welded stanchions allowing ease of construction.

- 2" x 2" Allied Gatorshield® tubular frame
- 8 mm twinwall polycarbonate for roof, side walls and end walls
- 42" x 6'-6" ADA entry door with lockset
- (2) 18" Quietaire industrial box exhaust fan
1/4 hp, 3900 cfm, equipped with shutter and guard
- (2) 39" motorized Quietaire shutters



- 1 ADP 60,000 BTU LP gas heater with heater hanger and vent pipe kit
- Automatic temperature control panel with (1) two stage and (2) single stage thermostats
- Engineered to meet 90 mph wind loading and 15 lbs. live load per International Building Code

16 X 36 SCHOLAR \$11,990

Constructed with commercial quality components and a price that won't break the bank, the Scholar greenhouse is made for the smaller classroom or beginning horticulture class. This package is 16' wide and 36' long with 5' side wall height and covered with the industry's best 8 mm twinwall polycarbonate polycarbonate offering a 10-year warranty with a 20-year life expectancy. Above ground construction utilizes 2" x 2" galvanized base rails with pre-welded stanchions allowing ease of construction.

- 2" x 2" Allied Gatorshield® tubular frame
- 8 mm twinwall polycarbonate for roof, side walls and end walls
- 42" x 6'-6" ADA entry door with lockset
- (2) 18" Quietaire industrial box exhaust fan
1/4 hp, 3900 cfm, equipped with shutter and guard
- (2) 39" motorized Quietaire shutters



- 1 ADP 100,000 BTU LP gas heater with heater hanger and vent pipe kit
- Automatic temperature control panel with (1) two stage and (2) single stage thermostats
- Engineered to meet 90 mph wind loading and 15 lbs. live load per International Building Code

HOBBY GREENHOUSE KITS

12 X 18 SCHOLAR

\$6,895

The Scholar Series greenhouse is the ultimate in backyard greenhouses for the serious grower. Available in either 12' or 16' widths, any length in 6' increments and a standard side wall height of 5' and optional 6', 7' or 8'. Utilizing a 2x2 galvanized base rail system allows ease of construction. The Scholar is covered with a commercial grade 8 mm twinwall polycarbonate, with a 10-year warranty and 15 to 20-year life expectancy. This polycarbonate is highly energy efficient and practically unbreakable.

- 2" x 2" square galvanized steel frame
- Aluminum extrusions
- 8 mm twinwall polycarbonate covering
- (1) 42"x 6'8" ¾ glass door
- (1) 18" exhaust fan
- (2) 24" motorized shutter
- 1 electric heater
- (1) 2 stage thermostat



10 X 16 EASY GROW

\$1,995

The Easy Grow is a commercial-grade hobby house that is not only attractive but is also engineered to last for many years. Its all galvanized framework and slip fit connectors ensure assembly is a breeze. It is covered with industry standard 6 mil. 4-year poly film just like the commercial growers use. Atlas offers three convenient sizes to choose from 10' x 11', 10' x 16', or 10' x 27', with an 8' peak height. The Easy Grow is perfect for growing vegetables, starting seeds or for simply over-wintering your plants.

- 1 5/8" x 17 gauge galvanized steel frame
- 3 runs of purlin
- Insulated door w/ built-in shutter, lock & key
- White poly standard (clear optional)
- (2) 16' roll-up curtains
- 1 electric heater



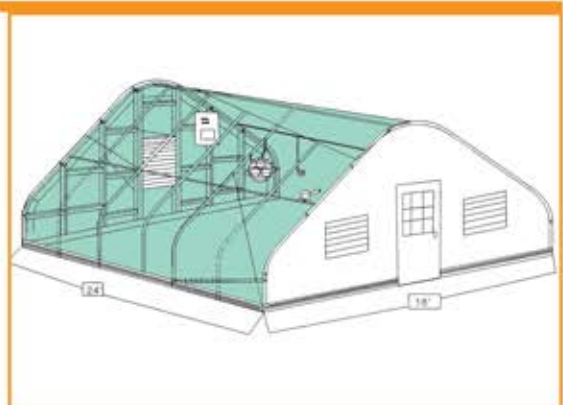
16 X 24 SNOW ARCH

\$3,595

The Atlas 16' x 24' Snow Arch greenhouse package is covered with 2 layers of 6 mil. 4-year greenhouse film and inflated with our 60 cfm inflation kit that helps reduce heating and cooling costs. Heated with our 60,000 BTU ADP power vented heater with spark ignition and aluminized burner. Included are the heavy duty heater hanger, vent pipe kit and Johnson thermostat control. Ventilation is achieved with (1) 18" exhaust fan and (2) 24" motorized shutters, controlled with a Johnson 2-stage thermostat. Also included is (1) 18" HAF fan for air circulation.

Other features include:

- All galvanized steel frame
- 4' side wall height
- 1.900" 14 gauge bows - spaced at 4'
- 2.197" 12 gauge column posts
- 3 runs of 1.315" 17 gauge purlins
- (1) 3'0" x 6'8" personnel door





COMMERCIAL STRUCTURES

Atlas manufactures a complete line of commercial metal buildings that are designed to meet the specific needs of our customers. We offer many colors and accessory options and whether you need a small storage building or large warehouse, we have a size and model for every application.

Our all galvanized framing is offered in three distinct models: the Admiral, Pro-Lite and Advantage Series. Widths range from 16'-40" clear spans and column spacings vary from 10'-15' depending upon model.

If your needs requires large widths and lengths, our PMB (pre-manufactured) red iron structure has you covered. With clear span or multi-span widths up to 200' and eave height up to 25', the PMB Series is perfect for large commercial applications.

All of our buildings are offered with 35 year warranted metal sheeting that is available in over 15 various color selections. All structures are designed to meet wind/snow requirements for your location.

We want to help you find your perfect building. On our website, you will find detailed descriptions of each of our metal building series, as well as, accessory options. To help you better choose the right building, visit our Visualizer tool to create your perfect building right on the screen. Please visit our website at www.atlasmetalbuildings.com for more detailed information.

COLD FRAMES/HIGH TUNNELS



Cold frames and high tunnels are unheated greenhouse structures that help farmers and nurserymen extend their growing season by providing protection from the elements. Atlas manufactures many different shapes, sizes and strengths of high tunnels/cold frames to meet the specific needs of your geographical climate.





The basic high tunnel generally consists of only a frame with single layer of poly film, roll up sides and doors. Many options are available, however, including steel end wall framing, steel base boards, automation for your curtain system, heaters and gable vents. Need portability? Our galvanized steel, pre-welded ground rail system enables structures to be moved. It is the solution to all your portability needs.



COLD FRAMES/ HIGH TUNNELS



16' HOOP HOUSE

Key Features:

- 4' or 6' spacing
- 1.029" (14 gauge) ground stakes
- 1.315" bows (17 gauge) ridge purlin
- 4 corner braces
- (8) 2" x 4" framing brackets
- Requires 28' poly
- Optional Economy curtain available

Ideal For:

- Low cost winter production
- Fast and easy installation due to simple design

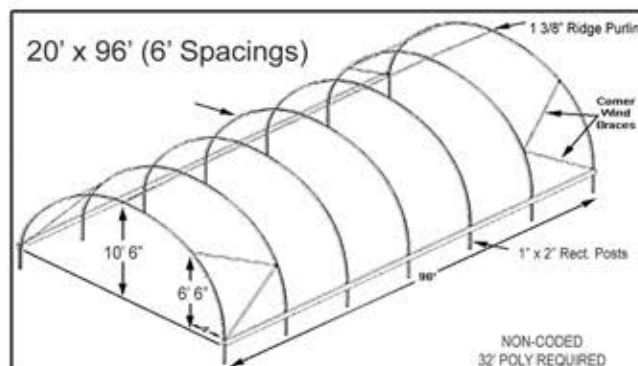
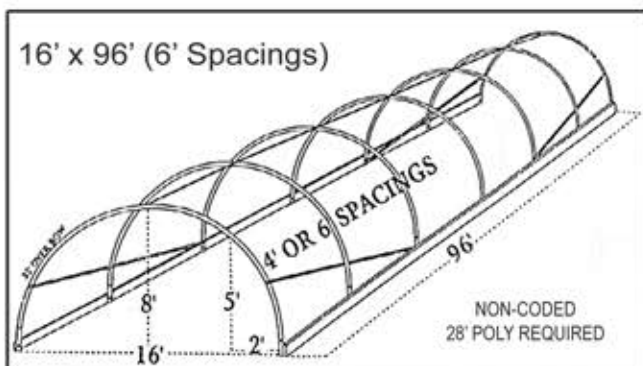
20' RT COLD FRAME

Key Features:

- 1" x 2" (16 gauge) column posts
- 1" x 2" (16 gauge) bow assemblies
- 1.315 (17 gauge) purlin
- 1.315 (17 gauge) corner braces
- 6' bow spacings
- Optional Economy curtain

Ideal For:

- Plant protection in areas of snow and ice
- Northern climates due to rectangular tubing and high arch





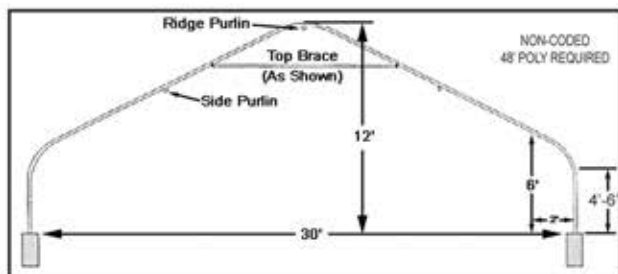
30' BUDGET PLUS

Key Features:

- Anchor posts: 2.197" (12 gauge)
- Bows: 1.900" (14 gauge)
- 4', 5' or 6' spacings
- 6' sides available
- 4 corner braces
- Purlins: 3 runs 1.315" (17 gauge)
- Top braces: every other bow
- (16) 2" x 4" framing brackets
- Assembly hardware
- NRCS APPROVED

Ideal For:

- Overwintering protection for tall plant material



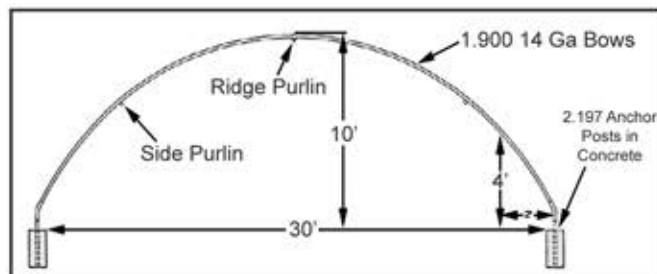
30' PRICE BUSTER

Key Features:

- Anchor posts: 2.197" (12 gauge)
- Bows: 1.900" (14 gauge)
- 4', 5' or 6' spacings
- 4 corner braces
- Purlins: 3 runs 1.315" (17 gauge)
- (16) 2" x 4" framing brackets
- Assembly hardware

Ideal For:

- The nurseryman looking for 30' width with low profile Quonset design



COLD FRAMES/ HIGH TUNNELS



24' SOUTHERNER

Key Features:

- 1.315" (17 gauge) bows
- 1.900" (14 gauge) anchor posts
- 4' or 6' spacings
- 3 purlins 1.315" (17 gauge)
- 4 corner braces
- Ground stakes
- (12) 2" x 4" framing brackets
- All necessary hardware

Ideal For:

- The southern nurseryman looking for a low profile, low cost overwintering structure

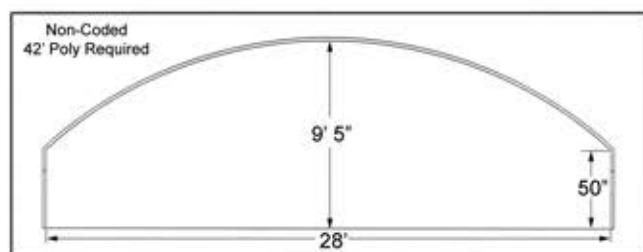
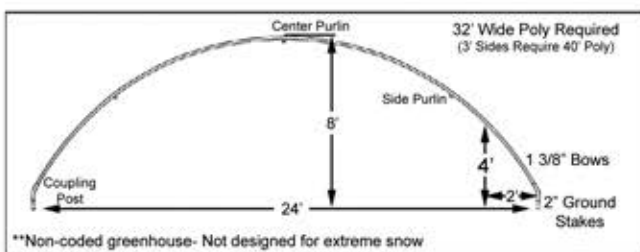
28' EMERALD

Key Features:

- Column posts: 2.197" (12 gauge)
- Bows: 1.900" (14 gauge)
- 3 purlins: 1.315" (17 gauge)
- 1.315 (17 gauge) corner braces
- 4', 5' or 6' spacings
- Standard 4' side walls
- 4 corner braces
- All necessary hardware
- 28' width only (any length)

Ideal For:

- Overwintering taller plant material in snow-free zones
- Offers higher side walls & lower peak height to maximize heating efficiency



20 X 96 RT™

\$3,995

The high tunnel is built with 1" x 2" rectangular tubing, offering incredible strength in a hoop house design. This high arching design, with a peak height of 10' 6", allows 6' 6" of head room at 2' in from the sidewall so that there is no wasted space. This package includes the following:

- 1" x 2" (16 gauge) rectangular bows on 6' spacing
- 1" x 2" (16 gauge) column posts
- 1.315" (17 gauge) ridge purlin
- (2) 96' Economy Roll-Up curtain systems with manual cranks
- (2) 10' wide x 8' high roll-up curtain doors
- 36' x 125' 6 mil. 4-year clear poly for top and ends
- Poly patch
- Wirelock base and wire with screws
- All necessary hardware for installation



30 X 72 BUDGET PLUS

\$4,995

Our most popular high tunnel package, this Gothic design offers the height and strength to accommodate most high tunnel growers. The 6' sidewall height allows 8' on clearance at 2' in from the sidewall and offers greater ventilation. This high tunnel is built with 1.900" diameter bows and 2.197" posts and comes standardly with a top cross brace on every other bow. This package includes the following:

- 1.900" 14 gauge bows on 6' spacing
- 2.197" 12 gauge column posts –extended to give 6' sidewall height
- 3 runs of 1.315" 17 gauge purlins
- (2) 72' long Economy Roll-Up curtains with manual cranks
- (2) 16' wide x 8' high roll-up curtain doors
- 50' x 110' 6 mil. 4-year clear poly for top and ends
- Wirelock base and wire with screws
- Poly patch
- All necessary hardware for installation



35 X 96 SUPER ARCH

\$9,495

The Super Arch series is the newest addition to Atlas' line of free-standing greenhouses. This massive structure is designed to handle high wind and heavy snows in the harshest climates. The 2" square 26' wide truss comes on every bow and makes a great crop support system for tomatoes, cucumbers, and other vining crops. This package includes the following:

- 2" x 2" square (14 gauge) bows spaced at 6'
- 2 1/4" x 2 1/4" square (14 gauge) column posts – extended 2' to give additional clearance (9'10" under truss)
- 5 runs of 1-3/8" (17 gauge) purlins
- 42' x 135' 6 mil. 4-year clear poly for covering the top and ends
- Poly patch
- (4) 48' long Economy Roll-Up curtains with manual cranks
- (2) 16' wide x 8' high roll-up curtain doors
- Wirelock base and wire with screws
- All necessary hardware for installation



SHADE STRUCTURES



PRO-LITE SERIES

- Portable or permanent
- Appealing shade cloth
- Install in one hour or less
- Easily sets up on any surface
- Excellent head room
- Ready to hang baskets from purlin
- 12' max unassembled length for easy transport

Sizes:

- 12' wide, any length in 10' increments
- 20' wide, any length in 6' increments
- 24' wide, any length in 6' increments
- For windy conditions, optional wind braces are recommended every 18' of length
- **NOT** designed for snow loads- remove shade during winter months

CABLE SHADE SYSTEM

- 63% shade standard (other % available)
- 3" x 3" - 12 gauge column posts
- Auger anchors with cables for side and end wall bracing
- Includes all necessary assembly hardware and instructions

Our cable shade system is the economical and efficient solution for those larger shading projects. Designed utilizing 20' x 50' pieces of shade attached with slide rings on the cable, allowing for the shade cloth to be retracted during inclement weather conditions.

Standard Specs:

- 10' side wall height
- 20' wide bay spacings
- 25' column spacings



A-FRAME SHADE CENTER

Our shade center has slightly pitched rafters spaced 8' apart, allowing for an attractive display area for your hanging baskets and other plant materials. Available in 20' wide single bays or in connecting multiple bays. We make our shade fabric to custom fit the frames. Although the frame has a slightly pitched roof, we do not recommend covering the roof in poly.

- 2.197" ground posts (12 gauge)
- 7 runs of purlins per bay
- 63% shade (custom made to fit frame)
- Bench system (optional)
- 1.900" (14 gauge) rafters (8' spacings)
- 4 corner wind braces
- Hardware with instructions

Standard frames require in-ground installation.
Above ground (portable) structures available.



FLAT-TOP SHADE CENTER

Our flat-top shade structure will save you lots of money on initial construction and future expansion costs. Our 4-way connector allows easy attachment of the framing with pre-welded stanchions. Each section is covered individually with shade cloth and secured with stretch bunjies and rope (included) making our flat-top shade structure easy to maintain and very easy to expand.

- 2" x 2" columns (14 gauge)
- 2" x 2" ground anchors (14 gauge)
- 1-1/2" x 1-1/2" horizontal framing
- 15' x 15' shade cloth sections
- Easy to expand
- Black or reflective shade cloth available

SHADE STRUCTURES



RETRACTABLE SHADE SYSTEM

Benefits

- 30-40% reduction in energy consumption
- Quick payback 2 years
- Cools 10-15° F and provides shade
- Controls day length
- Creates blackout environment
- Reduces humidity and condensation
- Improves plant quality
- Increases customer & worker comfort
- Easy to maintain, no cables to re-tension

How much money will I save?

Generally 30-40% reduction in fuel consumption. But energy savings depends on:

- Type of fabric
- Temperatures inside (setpoint) greenhouse
- Temperatures outside of greenhouse
- Efficiency of greenhouse covering
 - Glass, poly, single, double.
- Energy costs
- Environmental control settings

Greenhouses can become hothouses in a very short amount of time. In order, to provide the best growing climate for your greenhouses it's important to keep in mind natural ventilation and shade. A retractable shade system can help you accomplish that goal. Each system is customized to your greenhouse and your growing needs.

Long Life and Value

Wadsworth's PowerPull™ retractable shade systems combine simplicity and durability. Many systems have been in continuous use for over 30 years.

Systems for Every Purpose

PowerPull's smooth, reliable drive and support system is available with technical fabric options optimized to save energy, reduce light intensity, diffuse and improve lighting conditions or deprive the greenhouse of light to control day length. All of these fabric options save energy whether you are heating or cooling the greenhouse. At night they provide insulation and cut heat loss through the roof. During the day, they reflect heat out of the greenhouse and help you create a cooler, shadier, more comfortable environment for plants and people alike. Many fabric options include aluminization that further helps keep heat where you need it and keep unwanted heat and light out of the greenhouse.



BLACK SHADE CLOTH

Our black woven shade fabric has been around for many years and has withstood the test of time. This popular shade cloth comes in several percentages, and our shade department can custom make any size.

Available in 30%, 47%, 55%, 63%, 73% and 80% shade with strong, reinforced edges and brass grommets every 2'.

SVENSSON SHADE FABRIC

The newest solution in efficient greenhouse shading is Svensson shade cloth. The benefit is less heat load (to be removed by ventilation) for a given shading value when compared to black shade. Grommets and taped 2' on centers so it can be easily installed to the outside roof area or inside the greenhouse underneath the bottom truss cord.

Choose from 38%, 51%, 67% or 74% shade in any width and any length!

Bunjee Balls

- 8" premium black ball bunjee
- Fast and easy way to secure hoses, shade cloths, tarps and cables



Lace Rope

- Polypropylene 1/2" x 250' black braid rope
- UV treated to resist rot and deterioration from the sun
- Great for securing shade cloths, tarps, etc.



CURTAINS



EZ ROLL-UP CURTAIN SYSTEM

You can't control the weather, but you can have all-weather control of your greenhouse with our complete roll-up curtain system. Our system includes everything you will need for years of continuous operation. No lumber or extra poly fasteners to purchase. Our package includes everything! In addition, you can choose a manual crank or automatic system. Our heavy-duty 12 mil. coated 12 x 12 weave fabric (not 6 mil. poly) is strong enough to withstand the abuse of windy conditions and even rocks thrown by lawn mowers and weed eaters! Growers prefer curtains that roll-up from the middle as opposed to rolling up from the bottom reducing crank rotations by 50% and keeping the curtain straight.

Atlas Offers:

- 6', 8', 10' or 12' systems
- Manual crank package
- Atlas' motorized crank system with guide pipe and hardware
- 24v incremental temperature control system (controls 2 curtains)

Optional Base Wall Advantages

- Protects plants from wind and air when open
- Prevents snow from accumulating against curtain
- NOTE: Generally, a 60/40 ratio is recommended (60% curtain opening, 40% base wall)

Manual Crank Package



Motorized Crank Package





Z-LOCK DROP-DOWN CURTAIN SYSTEM

Atlas' Z-Lock Drop-Down curtain system drops down for ventilation and is best suited for 4' to 6' high side walls. Our exclusive Z-Lock eave flange allows the curtain to seal and "locks" the roof poly securely in place. Price includes everything you need except the 2" x 6" pressure-treated lumber required for the base (optional galvanized hat base is available).

Key Features:

- Designed for 4', 5' or 6' side walls
- Retrofits to most houses with straight side walls up to 6' high
- Drops down for ventilation
- 4' to 6' systems
- Manual crank package
- Atlas motorized crank system with mounting hardware
- 24v incremental temperature control system (controls two curtains)
- 110v Wadsworth motors available

Manual Crank Package



Motorized Crank Package 110v Curtain Motor



CURTAINS



ECONOMY CURTAIN SYSTEM

Atlas' Economy curtain system is a more economical way to passively ventilate your greenhouse or cold frame. Growers prefer curtains that roll up from the middle as opposed to rolling up from the bottom; crank rotations are reduced by 50% because our crank rod rolls from the middle. Our crank handle makes this system easy to operate. For even easier operation, the crank package can be upgraded to include 13:1 gear reduction box. Poly film can also be upgraded to strong 12 mil. curtain fabric. The Economy curtain can be adapted to straight or curved side walls. System comes complete with crank handle, crank rod, curtain guides and all hardware necessary to install.

Key Features:

- Provides natural ventilation
- Cost efficient system
- No additional components to purchase
- Available up to 100' length
- Optional upgrade of heavy curtain fabric and gear reduction crank package available

Specifications:

- Extruded aluminum poly fastening system
- 1.315 x 17 gauge curtain and crank rod
- 18 gauge steel curtain guides
- 4-year 6 mil. poly curtain fabric
- Manual crank package with locking mechanism

Manual Crank Package





POLY CURTAIN MATERIAL

4-year Clear

- 6 mil.
- 3-layer co-extruded
- Ultra violet stabilized for 4 years of film life
- High light transmission
- Superior strength
- Cost efficient curtain option



HEAVY CURTAIN FABRIC

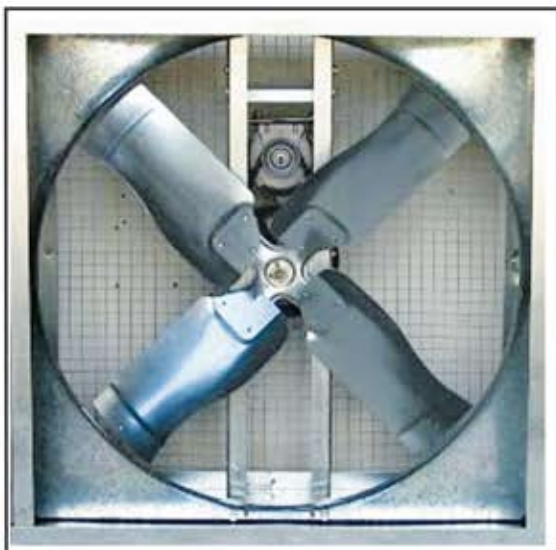
- 12 x 12 construction
- 7.4 oz per square yard (+/- 10%)
- 12 mil. (+/- 10%)
- Material is high UV stabilized fabric in the scrim and coating



RIDGE VENT

- Heavy aluminum extrusion for poly attachment
- Heavy-duty rack and pinion drive assembly
- Manual or motor driven
- Opens at the peak
- Retrofits to your existing structure
- Designed for poly film covering only

COOLING EQUIPMENT



BOX FAN

The Quietaire galvanized 36" box fan installed in the gable provides great results during the hot summer months when used with side curtains. The Quietaire box fan is also a perfect economical alternative to our Slant-Wall Fan. Features a 1/2 horsepower motor and includes an aluminum exhaust shutter.

Blade Size	HP	Amps	RPM	Capacity CFM			Frame Opening High x Wide
				0:5P	.05SP	.10SP	
36" Box	1/2	6.9	843	11,100	10,300	9,464	40 1/2 x 40 1/2



SLANT WALL FANS

Atlas carries a full line of Quietaire slant wall fans, the ultimate in greenhouse ventilation.

- Six-bladed propeller
- Quiet operation at low RPM
- All aluminum dampers
- Two speed motors available
- Wall box completely assembled and ready for installation

Blade Size	HP	Amps	RPM	Capacity CFM			Frame Opening High x Wide
				0:5P	.05SP	.10SP	
30" Slant	1/2	7.4	509	7,869	7,412	6,956	35 5/8 x 34 3/4
42" Slant	1	11.4	442	17,000	16,245	15,490	48 1/2 x 47
48" Slant	1	11.4	352	21,692	20,628	19,563	54 1/4 x 52 3/4
36" Slant	3/4	13	843	11,100	10,300	9,464	42 1/4 x 41

SHUTTERS

Quietaire shutters are made of heavy duty aluminum with aluminum pivot rods and nylon bearing. Counter balanced blades ensure smooth operation.

Model	Amps	Frame Opening
39" Non-Motorized		39 3/4 x 39 3/4
45" Non-Motorized		45 3/4 x 45 3/4
39" Motorized	0.33	39 3/4 x 39 3/4
45" Motorized	0.33	45 3/4 x 45 3/4





COOLING PAD SYSTEM

Available in 5' increments, this system comes complete with pump, float valve and all required plumbing. Our stainless steel trough has enough water capacity that a sump tank is not required, thus producing a user-friendly, self-contained system.

System Includes:

- Stainless steel trough and top cover plate
- Float valve for water reservoir control
- Industrial grade Goulds submersible pump
- Complete plumbing package included
- Available for 4" or 6" thick cooling pads
- Long-life corrugated cooling pads included

Call today for a quote!

Standard size 60" x 12" x 6"

WALL VENT

Atlas' automatic wall vent protects and seals off the cooling pad system. In addition, it offers superior intake ventilation compared to shutters. Complete system includes rack and pinion drive, crank pipe and 24 volt motor.

System Includes:

- Heavy extruded aluminum framework
- 1.315 x 14 gauge crank rod
- All steel rack and pinion drive
- 24 volt drive motor with internal limits (longer systems require larger motor)
- Covering options: 8 mm twinwall or corrugated poly carbonate or poly film
- Complete hardware package for assembly
- Manual crank is available
- Replacement motors available and IN STOCK

COOLING EQUIPMENT



18" HAF FAN

- HAF fans minimize stagnant air & circulate heat
- Completely assembled
- Hanging hardware included
- 1/4 hp
- 1 amp
- 3,240 cfm
- 20" fan available



REPLACEMENT FAN MOTOR

Single Speed Motor

HP	Volts	Amps	HZ	RPM
1/2	115	7.4	60	1725
1	115	13.3	60	1725
3/4	115	11.4	60	1725

2 Speed Motor

HP	Volts	Amps	HZ	RPM
1/2	115	6.5	60	1725/1140
1	115		60	1725/1140
3/4	115	11.9	60	1725/1140



RACK ARM & PINION

- All steel construction
- Ideal for ridge and wall vents
- 1.315 pinion gear
- Stock rack arm length: 35" and 67"



AUTOMATIC SHUTTER OPENER

- Solar operated
- Adjustable temperature
- Range 75° - 90°
- Mounts to double panel shutters
- Ideal for high tunnels



SHUTTER MOTOR

- 115 volts - 0.33 amps
- Available in 230 volts
- Fits various brands of shutters
- Simple installation
- Kit comes complete with mounting brackets and hardware
- 1 year warranty



REPLACEMENT MOTOR & FLOAT VALVE

- Replacement pump for cooling system up to 25' in length
- Replacement float valve with universal mounting bracket

HEATERS



ADP HEATERS

Atlas carries a full line of ADP natural or LP gas high efficiency power vented heaters with spark ignition and aluminized steel burner. The direct drive propeller fans are dynamically balanced for quiet and smooth operation. The heater incorporates a time delay to allow the aluminized steel heat exchanger to rise to a certain temperature before the fan is engaged. The heater is equipped with a propeller fan with guard.



Easy to clean tubular heat exchangers made of aluminized steel or stainless steel, providing resistance to corrosion and oxidation

Self diagnostic board with indicator lights



Power exhaust system with a sealed flue collector allows conventional vertical or horizontal venting up to 35 feet depending on unit size



Direct drive propeller fans are dynamically balanced for quiet, smooth operation
SEP Series only



Safe direct spark ignition. No standing pilot light



ADP

MODEL	INPUT BTU	AMPS	VOLTS	HP	WxHxD	VENT PIPE	WT#
FSA-30	30,000	3.0	115	1/20	25 X 12 X 18 1/2	3"	60#
FSA-60	60,000	6.0	115	1/10	25 X 17 X 18 1/2	4"	87#
SEP100	100,000	6.0	115	1/8	20 3/16 X 32 3/16 X 31 5/16	4"	140#
SEP145	145,000	6.0	115	1/8	20 3/16 X 32 3/16 X 31 5/16	4"	150#
SEP200	200,000	6.0	115	1/8	23 1/8 X 32 3/16 X 31 5/16	5"	175#
SEP250	250,000	9.0	115	1/8 (2)	41 1/8 X 32 3/16 X 31 5/16	5"	285#
SEP300	300,000	9.0	115	1/8 (2)	41 1/8 X 32 3/16 X 31 5/16	5"	305#
SEP390	400,000	9.0	115	1/8 (2)	41 1/8 X 32 3/16 X 31 5/16	6"	310#



ELECTRIC (COMMERCIAL)

Our horizontal air delivery type heater (HER) is recommended for lower-ceiling applications. Electric unit heaters have lower installation costs and are easier to install, requiring no venting, piping, valves, traps, etc.

Key Features:

- Designed for long heat-throw, uniform heat delivery and reduced maintenance
- Hinged bottom panels for easy control access
- Deflector blades can be adjusted to length or shorten heat-throw as well as direct heated air up or down
- Motors are enclosed and protected from thermal overload
- Made in the USA

MODEL NO.	BW	BTU/HR	CFM @ 70° F	TEMP RISE °F	APPROX SHIP WT (LBS)
HER 50	5.0	17,100	530	30	52
HER 75	7.5	25,600	530	45	52
HER 100	10.0	34,100	830	38	65
HER 125	12.5	42,700	830	48	67
HER 150	15.0	51,200	830	57	74
HER 200	20.0	68,300	1300	49	97
HER 250	25.0	85,400	1300	61	98



ELECTRIC (HOBBY)

Our forced air electric heater has a built-in thermostat that adjusts from 35 to 85 degrees Fahrenheit. Its overheat safety shut-off operates on 60HZ 208/240 VAC at 23.4 amps. Heater comes with versatile mounting bracket (heater must be hard wired to electrical source). Because of its rugged design, superior engineering and high-quality craftsmanship, this heater requires little maintenance. With proper care, your electric heater should last a lifetime.

Key Features:

- Heavy-duty, industrial type heater
- Built-in ceiling mount bracket for easy vertical or horizontal mounting
- Adjustable louvers to direct heat to desired area

FUH 54B

HEATER RATING	VOLTAGE	BTU/HR. BTUH	PHASE
5000W	240V	17,065	1
4165W	240V	14,215	1
3332W	240V	11,365	1
2500W	240V	8,533	1
3750W	208V	12,799	1
3123W	208V	10,659	1
2500W	208V	8,533	1
1874W	208V	6,369	1

HEATING ACCESSORIES



RADIANT FLOOR HEAT

- Warm water irrigation
- Heat exchangers
- Hot water boilers
- EPDM rubber tube bench-top heating
- EPDM rubber tube in-ground heating
- PEX tube concrete floor heating
- Twin-fin aluminum tube heating
- Multi-fin aluminum tube heating
- Stainless steel gas-fired heaters



HEATER HANGERS

- Heavy-duty 2 x 2 (14 gauge) square tubing
- Pre-welded adjustable hanger brackets
- Available for 6' or 12' rafter spacings
- Complete hardware package for assembly included
- No additional components to purchase



VENT PIPE KITS

Kit includes:

- (2) 1' pieces of pipe
- 2 adjustable elbows
- 2 wall collars
- 1 vent stack cover

Features: double wall galvanized duct and twist and lock connectors

ENVIRONMENTAL CONTROLLERS



BARTLETT CONTROLLERS

- Affordable alternative to traditional thermostats
- Reliable and easy to use
- GHK 12X2
- GHK 12X2 C
- GHK 12X2 CH
- RWL 11X2
- GHK 12X2 H
- V Smart



WADSWORTH CONTROL SYSTEMS

- Easy to use controls to make your job easier
- STEP Up
- STEP 50
- STEP 500
- MiniSTEP
- EnviroSTEP
- VersiSTEP
- 4-Stage Control
- Sensors
- Software



LINK4 INTELLIGENT CONTROLS

- Futuristic Features. Old Fashioned Support.
- Grow 100 Series
- iGrow 1000 Series
- iDrive Motor Controller
- iPonic 600 Series
- Integrated Contactor Panel
- Software



ENVIRONMENTAL CONTROLLERS



A FEW THINGS TO CONSIDER WHEN UPGRADING TO AN ENVIRONMENTAL CONTROLLER:

1. Pays for itself in less than a year. Due to smaller differential between the on and off points ($\pm .5$ to 1 degree F vs. 4 to 8 degrees F for a mechanical thermostat) the energy savings can pay for the installation of the environmental controller in less than a year in some cases. Additionally, the more precise temperature settings keep your crop at its optimum growing conditions resulting in faster crop maturity and a more uniform crop.

2. Multiple heating and cooling stages. Most step controllers offer two stages of heating and four stages of cooling and allow for day/night/DIF settings. These controllers are typically used in conjunction with relays and contractors that allow multiple pieces of equipment to be assigned to each stage.

3. More features. Other features available, depending on the manufacturer, can include alarm notification via text or email, input from a weather monitoring station, and the ability to monitor and control the greenhouse settings from your PC or mobile device.

4. You may be eligible for a grant. Depending on your location, your state or energy provider may offer grants that help pay the cost of switching to these more energy-efficient controllers. A good website for available assistance is www.dsireusa.org. Bartlett Instruments, Wadsworth, and Link 4 are some of the most easy-to-use and cost-effective controllers on the market today. **MAKE THE SWITCH AND START SAVING TODAY BY CALLING THE PROFESSIONALS AT ATLAS!**

Quality Johnson Controls

Select from two different models:

- Single Stage Double Throw (For fans or heaters)
- 2-Stage Double Throw (For 2 stages of heat or cooling)



Thermostat Panel

- Galvanized metal mounting plate with sun shield
- Includes mounting brackets and attachment hardware



CHERRY CREEK BOOM IRRIGATION

Cherry Creek Boom Irrigation offers more versatility, while still keeping efficiency in mind. With the ability to irrigate the left or the right side completely independently of one another, this irrigation boom has full control over every application. With the stability of running on two rails, the Double Rail Boom eliminates boom sway. The central frame design allows for the ability to have a center walkway down the length of the bay. When combined with Irrigation Controller, the Double Rail Boom will handle the most complicated of greenhouse irrigation requirements, while assuring the precise application of fertilizers and chemicals.



General Specifications:

- Recommended maximum width of 42'
- Recommended maximum length of 420'

Frame Unit:

- Shipped partially pre-assembled from factory
- Carbon steel construction (hot dipped galvanized)
- Heavy duty ¼ hp variable speed DC motor
- Four wheel drive design
- Telescopic spray bar support arms and hardware
- Plumbing with quick-disconnect and ¾" ball valve
- Dual solenoid manifold
- Amiad in-line water filter
- Damm watering wand assembly with ¾" hose



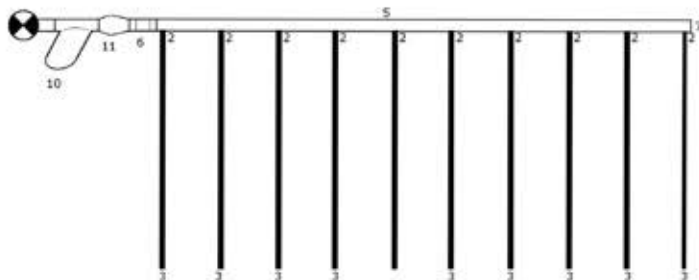
TRAVELING IRRIGATOR

This two wheel drive automatic traveling irrigator with boom arms, speed control, forward/ reverse switch and stop limits is designed for the irrigation and spraying of vegetable transplants.

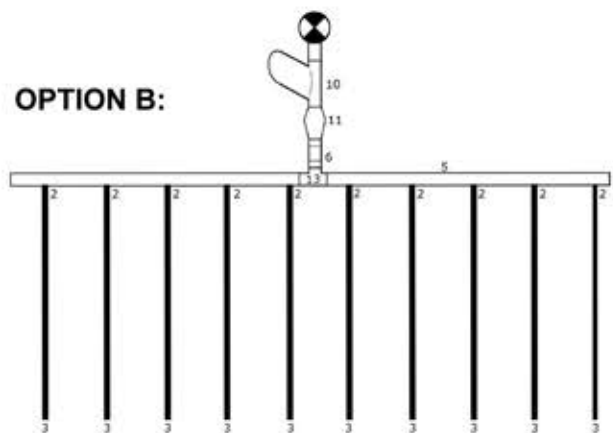
- For 30' to 35' wide greenhouses

IRRIGATION

OPTION A:



OPTION B:



DRIP IRRIGATION

Drip tape irrigation kits are great for watering long rows of plants in garden or high tunnel beds. Drip tape irrigation is an efficient method of watering plants. It provides a uniform, timely and precise application. This method involves a network of drip tape rows which deliver water to the base of the plant, on the surface or underneath (directly to the roots). The tape offers steady drops of water over time, as opposed to the stream produced by hoses and sprinklers.

Drip System Kit Includes:

- Drip tape- 1,000' roll 8 mil. 12" space .43GPH
- Barbed ball valve start connections
- Drip tape end caps
- Drip tape repair couplings (orange)
- 3/4" poly supply tubing
- 3/4" swivel connector
- 3/4" figure 8
- 3/4" poly repair couplings
- Punch tool
- 3/4" filter
- 3/4" 15# pressure regulator
- Drip tape stakes
- Poly tubing tee
- Poly tubing goof plugs



IRRIGATION CONTROLLER



- Offers easy programming and higher station count
- 4-22-station scalability
- Easy installation

FERTILIZER INJECTOR



- Reliably meters fertilized solution into your line and is solely powered by the water moving through it
- Simple to install, operate and maintain
- Constructed of UV resistant plastic
- Male pipe threads (MPT) on both inlet and outlet

FILTER



- Collects debris along the depth of the discs, not just at the surface (as with screen filters)

SOLENIOD VALVES



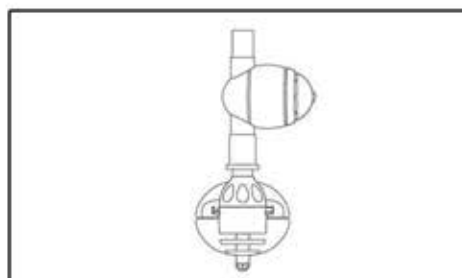
- Simple to operate and maintain
- Low friction loss that gives improved performance
- Tight sealing valve with fully supported diaphragm
- Acceptable for use with high pressure and quick reaction to opening & closing

BACKFLOW PREVENTER



- Designed for installation on potable water line
- Protects against backsiphonage of contaminated water into the potable water supply
- Maximum working water pressure 150 PSI

MISTER HEADS



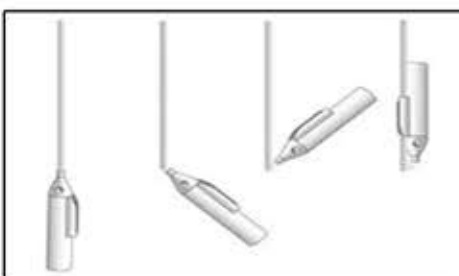
- Used when a light mist is required for watering
- Excellent uniformity can be achieved with mister spacing between 3'-5' with an elevation of 2'-5'

SPINNER HEADS



- Achieves a high level of uniformity within a closely spaced "strip of sprinklers"
- Offers drip-less operation

DRIP IRRIGATION HEADS



- Easy to turn off; if you want to turn off the dripper, while not in use, simply bend the weight upwards and connect to the tubing

IRRIGATION SUPPLY LINE



- Offers a cool look, cooler water temperature and enhanced plant growth

BENCHES



PORTABLE BENCHES

Atlas' bench systems are designed to cut labor, increase greenhouse efficiency and last through years of heavy loading usage. Our portable benches are available in various lengths and widths and can be easily moved about inside the greenhouse by two people. Supporting framework for all benches is 1" x 2" rectangular tubing, offering superior strength and longevity

Key Features:

- 1" x 2" rectangular legs
- 1" x 2" rectangular top lathing
- Heavy aluminum extrusions on top edge and underneath beam
- 13 gauge galvanized expanded metal bench top

CONTINUOUS BENCHES

Atlas' continuous benches are permanently fastened together, above ground, creating a continuous bench to whatever length you desire. Supporting framework for all benches is 1" x 2" rectangular tubing offering superior strength and longevity

Key Features:

- 1" x 2" rectangular legs
- 1" x 2" rectangular top lathing
- Heavy aluminum extrusions on top edge and underneath beam
- 13 gauge galvanized expanded metal bench top



ROLLING BENCHES

Atlas' bench systems are designed to cut labor, increase greenhouse efficiency and last through years of heavy loading usage. Our rolling benches are designed for in-ground or concrete installation and used to save space in high production applications. Supporting framework for all benches is 1" x 2" rectangular tubing, offering superior strength and longevity.

Key Features:

- 1" x 2" (16 gauge) construction
- 1.315 (17 gauge) roll bar
- Heavy-duty 3/4" (13 gauge) expanded metal bench top
- Designed for ground or concrete mounting
- Available in 6' wide widths
- Complete hardware for assembly included



SIDEWALL BENCH

The Atlas sidewall bench system offers years of maintenance-free use. With pre-formed bench brackets, installation is made simple. The 3/4" galvanized expanded metal bench top can handle the weight of large potted plants or baskets, as well as, accommodate small trays or flats with ease.

- Simple and easy to install
- Attaches to frame structure
- Uses hot dipped galvanized expanded metal
- Low cost upgrade to any existing structure
- 3' wide continuous x any length
- 4' wide continuous x any length
- Ships in 3 days

BENCHES



ECONOMY PORTABLE BENCH

If you are looking for a strong bench without the big price tag, the Economy bench is the solution. With rectangular steel legs and support ribs, this bench can support the weight of heavy plant material. The bench top is comprised of 1" x 2" high tensil wire and will provide years of lost-cost use.

- Designed out of demand for a "flush," flat edge bench that allows flats and trays to overhang an inch or two, thus accommodating any odd sized tray or arrangement

Key Features:

- 1" x 2" rectangular legs
- 1" x 2" rectangular top lathing
- Heavy aluminum extrusions on top edge and underneath beam
- 1" x 2" welded wire



ECONOMY SIDEWALL BENCH

Do you need a cost-efficient alternative to the standard bench options? Our Economy Sidewall bench is a great pick! This bench can be easily installed on any structure from greenhouses to shade structures. While it's low on cost, it's high quality material will provide you with years of maintenance-free use.

Key Features:

- Available in 36" & 48" wide widths x any length
- 1.315 x 17 gauge pre-formed bench support frames
- 3/4" round bench railing
- 1 x 2 welded wire bench decking
- Assembly hardware included



EXPANDED METAL

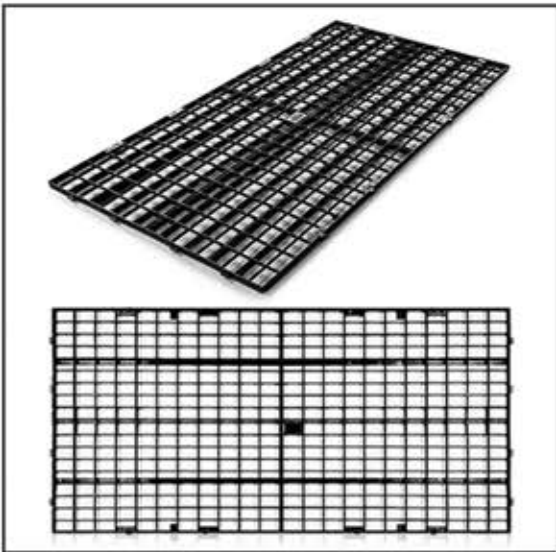
- Economical option for growers
- 1" x 2" 16 gauge cross supporters
- Extruded aluminum side rails
- 13 gauge expanded metal top
- Includes all attachment hardware

Sizes:

- 3' x 12'
- 4' x 12'
- 4' x 10'
- 6' x 10'
- 4' x 12'
- 6' x 12'

*Custom sizes available

*Expanded metal without framing available



DURA-BENCH ULTRA

- Durable flat smooth surface
- Excellent for metal stationary and rolling benches
- Commercial applications
- Weight: 4.5 lbs. (2.04kg)
- Size: 24" x 48" nominal (60.96 cm x 121.92 cm)



DURA-BENCH ORIGINAL

- Excellent for wood
- Overlap and non-overlap designs available
- Retail applications
- Weight: 6.32 lbs.
- Size: 24" x 48" nominal (60.96 cm x 121.92)

COVERINGS



6 MIL. POLY FILM

4-year Clear

- 6 mil.
- 3-layer co-extruded
- Ultra violet stabilized for 4 years of film life
- High light transmission
- Superior strength

White 55%

- 6 mil.
- 3-layer co-extruded
- White film providing 55% shade
- Ultra-violet stabilized for 4 years of film life
- Superior strength

Infra-Red

Same as above but includes:

- A premier thermal film with excellent infra-red retention properties
- Long-lasting condensation control
- Diffused light for optimized growth conditions

8 MM POLYCARBONATE

- 47-1/4" x 71-1/4" width sheets
- UV protection on one side
- Light transmission at 80%
- Par light transmission at 79%
- 10-year warranty

Stock Sizes:

- 4' x 7'
- 6' x 5'
- 6' x 8'
- 6' x 10'

Corrugated Polycarbonate

- Offers years of maintenance free use
- Available in clear, white/opal and solar gray
- High impact resistance
- Clear sheeting offers up to 92% light transmission
- 49 1/2" widths x lengths up to 25'
- 10-year warranty against yellowing and hail

INFLATION SYSTEM



- Includes blower, mounting bracket, air deflector and jumper hoses
- Pre-assembled and ready to mount

EXTERNAL AIR ADAPTER KIT



- Reduces condensation by using outside cool air to inflate poly

MOUNTING BRACKET WITH DEFLECTOR



- For use with our 60 cfm blower motor

20" JUMPER HOSE



- Flexible; 1.5" in diameter
- Comes complete with twist couplers on each end of hose

INSERTS FOR CORRUGATED POLYCARBONATE



- Foam closure inserts are used to seal around fans, shutters, doors and other openings when utilizing corrugated polycarbonate sheeting
- Available in 36" long pieces
- In stock and available for immediate shipment

1 3/4" x 300 WEBBING FOR POLY



- Can be used as an affordable batten strapping for securing poly film
- When attaching poly film to wooden frame/support, the batten webbing reinforces the plastic so you can staple, nail or screw directly through the tape
- UV treated; 100 yards long

POLY FILM SAVER



- 1/8" X 1 1/2" X 40"
- Adheres to aluminum, steel and timber frames
- Extends life of poly film covering

POLY PATCH



- 3" or 6" width/ 38' length
- Great for sealing any greenhouse air leaks

2" x 150" FOIL TAPE



- High tack adhesive forms an aggressive bond
- Comfortable to fit corners and joints
- Resists UV, humidity and mold
- Thickness: 5.0 mil
- Installation temperature: 40-200 degrees Fahrenheit

NURSERY ACCESSORIES



Galvanized 2 Wheel Nursery Cart

- 2' x 6'
- 2-wheel Versa cart
- Anti-tip
- All galvanized (not painted)
- Greasable wheels
- Well balanced
- Heavy-duty and long lasting



4 Wheel Nursery Wagon

- Available in 24" x 48" & 36" x 60"
- 500# capacity
- 10" flat-free tires
- Expanded metal bed frame
- One piece tube handle
- Tube turning system



Potting Wagon

- Sizes available: 4' x 8', 4' x 10', 5' x 10' and 6' 16'
- Galvanized sides, ends and floor
- Steel structure galvanized or painted
- Sides fold down half way for potting
- Pipe in pipe turning system with grease fittings
- Galvanized sides, ends and floor



Tracking Trailer

- Sizes available: 4' x 8', 4' x 10', 4' x 12', 5' x 10', 5' x 12', 6' x 12' and 6' x 16'
- 4000# capacity
- 1250# posi lube end units
- 18 x 8.50 tire & 4 bolt wheel
- Pipe in pipe turning system
- Painted or hot dipped galvanized
- 3/4" 9 expanded metal bed
- Heavy-duty tongue
- All trailers are braced and cross braced with heavy gauge steel



Tree Dollie

- Painted or hot dipped galvanized
- Comfortable anti-slip hand grips
- All sch. 40 pipe construction, will fit through 36" gate
- Heavy duty models: 2000# capacity, 1250# posi lube end units, 18 x 8.50 tire and wheel assembly
- Light duty models: 1000# capacity, 3/4" cold roll around axle, 16 x 6.50 tires 3/4" bearing



DISPLAY RACK

Atlas' self-standing display rack has over 60 running feet of usable railing for displaying hanging baskets. In addition, the bottom tier comes with additional horizontal framing to attach 1" x 2" welded wire (obtained locally) to give you 30 sq. ft. of floor area for pots and trays. Our popular shade top helps keep plants out of direct sunlight. Caster wheels make moving your plants easy and efficient. Made from galvanized steel for many years of dependable service. No other display rack has these versatile features at such an affordable price.



GROUND COVER

Premium grade 3.2 oz. black woven polypropylene ground fabric is tightly woven to help control weed growth and retains moisture in the soil. Available in 6', 10', 12' and 15' x 300' rolls. Water and nutrients will seep through, eliminating unsightly and hazardous water puddles. Each roll has a green plant line every 12" to aid in plant placement.



GROUND STAPLES

Sold in boxes of 500 or 1000, or order by the piece. Each measures 6" long by 1" wide. Used to anchor all your landscaping fabrics.

DOORS



SINGLE SLIDING

- 1 1/2 x 1 1/2 square welded steel construction
- 8 mm twinwall polycarbonate covering
- Commercial duty door track, hangers and hardware
- Available in 4' x 7', 6' x 7' or 8' x 7' sizes
- Custom sizes available
- Optional door brushes for superior sealing available



DOUBLE SLIDING

- 1 1/2 x 1 1/2 square welded steel construction
- 8 mm twinwall polycarbonate covering
- Commercial duty door track, hangers and hardware
- Available in 8' x 7' or 12' x 7' sizes
- Custom sizes available
- Optional door brushes for superior sealing available



PERSONNEL

- Pre-hung in jamb with lock and key
- 3' x 6'6" insulated half glass, half solid door
- 42" x 6'8" 3/4 glass
- 48" x 72" econo solid vinyl
- 36" x 6'8" solid vinyl steel
- Various types of personnel doors in stock



ROLL-UP DOORS

- Commercial grade construction
- 26 gauge galvanized corrugated steel
- Super durable corrosion resistant paint coating
- 12 gauge door mounting brackets
- 16 gauge galvanized steel door tracks
- Various colors available (standard white in stock)
- Stock sizes: 8' x 8', 10' x 10' and 12' x 12'
- Chain operation or motorized door activation available



ROLL-UP CURTAIN DOORS

Standard stock sizes include:

- 8' wide x 8' tall (fits all size structures)
- 10' wide x 8' tall (fits 20' to 35" structures)
- 12' wide x 8' tall (fits 24' to 35' structures)
- 16' wide x 8' tall (fits 30' to 35' structures)
- Complete with door guides, crank assembly and mounting hardware

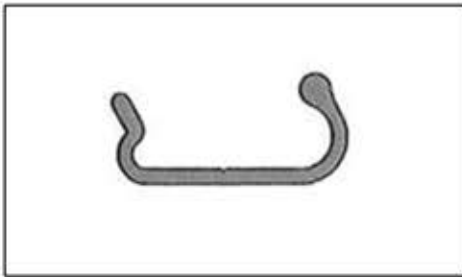


ZIPPERED END WALL CURTAIN DOORS

- For 16' to 35' wide structures, with custom sized openings
- Made from a 12 x 12 weave, 7.5 oz. polypropylene fabric with high quality UV stabilization for years of maintenance-free use
- Standard end panels come with an 8' x 8' opening
- We offer custom size openings at no extra charge

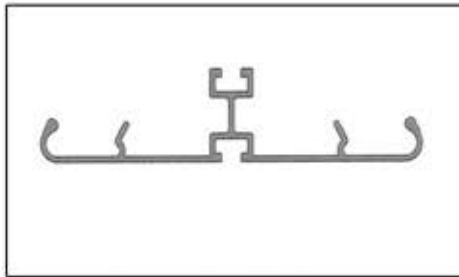
EXTRUSIONS

SINGLE WIDE LOCK



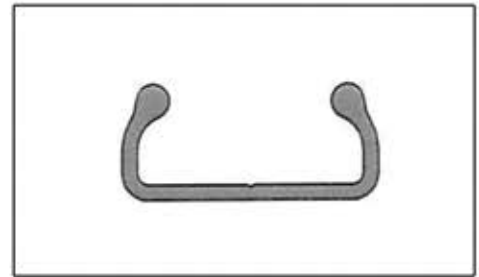
- Used on base of greenhouse to lock in two layers of 6 mil. poly

DOUBLE WIDE LOCK WITH TRACK



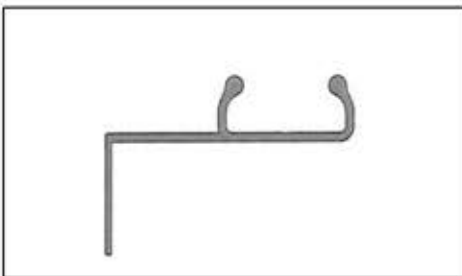
- Used with roll-up curtain systems and at eaves of greenhouse when roof and sides are covered

WIRE LOCK



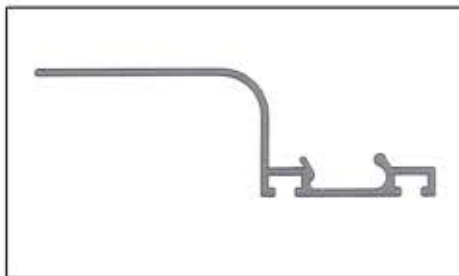
- Versatile wire lock will fasten 1 to 4 layers of poly with up to 2 pieces of wire
- Used on end bows and around all framed openings

GABLE FLASH WIRE LOCK



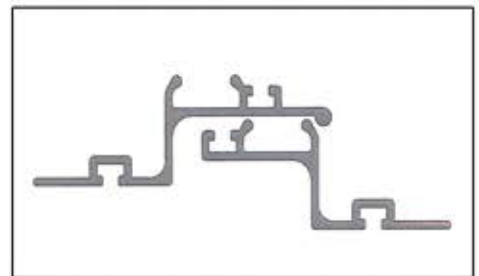
- Used on end bows when end wall is being covered with polycarbonate (corrugated or non-corrugated)

Z-LOCK



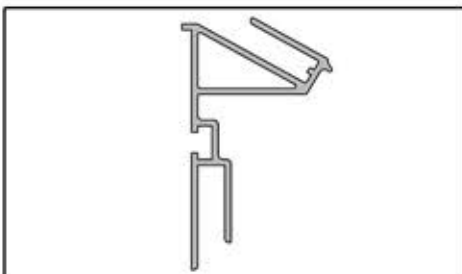
- Used with drop-down curtains
- Provides an adequate seal for a drop-down curtain system

UPPER & LOWER RIDGE LOCK



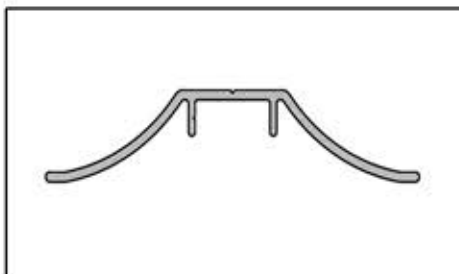
- Used specifically with poly-covered ridge vents

EAVE EXTRUSION



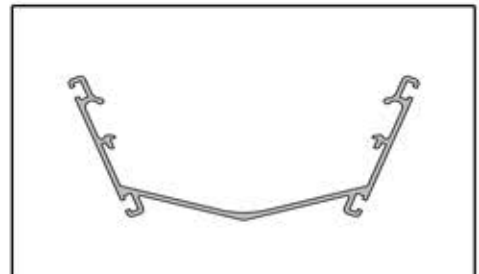
- Used at the eave of free-standing structures to attach the roof and side wall 8 mm polycarbonate panel

SNAP- CAP EXTRUSION



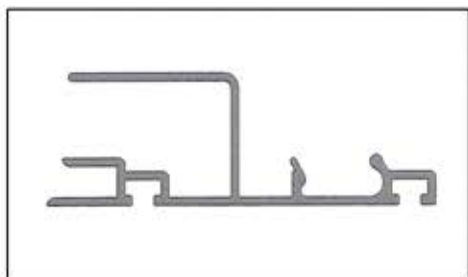
- Used on intermediate bow extrusions to seal off polycarbonate panels on the roof of greenhouse (screws required for attachment)

SNOW ARCH GUTTER



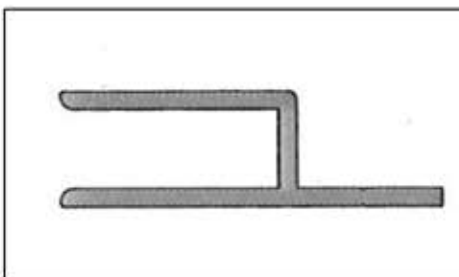
- Universal gutter with built-in poly fastening lock
- All aluminum construction
- Ideal for retro-fit projects

CHANNEL LOCK



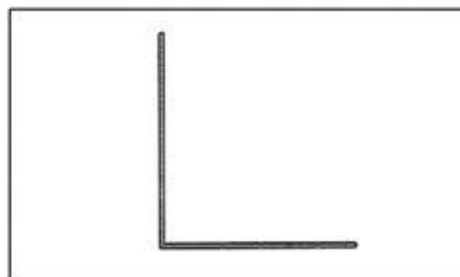
- Used on eaves when side wall is to be covered with polycarbonate and double poly roof

POLYCARBONATE END CAP



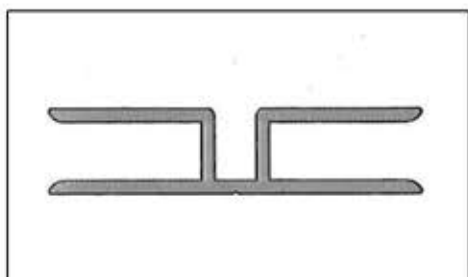
- Used with polycarbonate sheeting around the base of greenhouse and around framed openings

1" X 1" ALUMINUM ANGLE



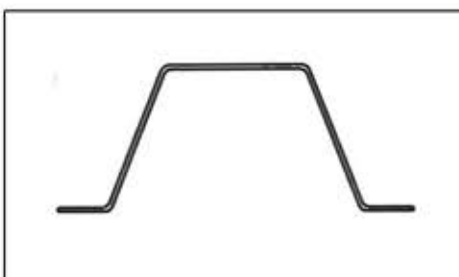
- Used to flash around opening on end walls covered with polycarbonate

POLYCARBONATE H-SPLICE



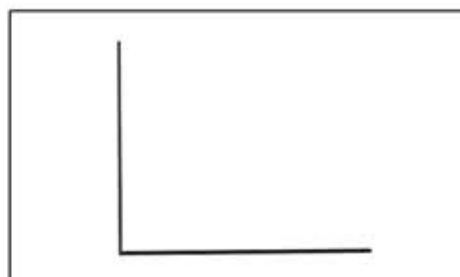
- Used to connect the end and all sides of 8 mm polycarbonate sheeting

GALVANIZED HAT BASE



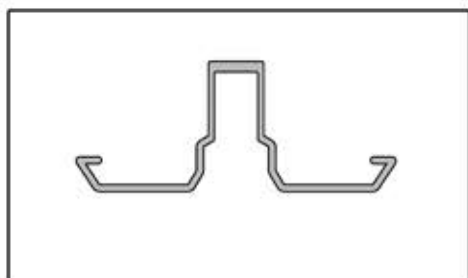
- Used in place of pressure treated lumber for toe boards

2" X 3" GALVANIZED FLASHING



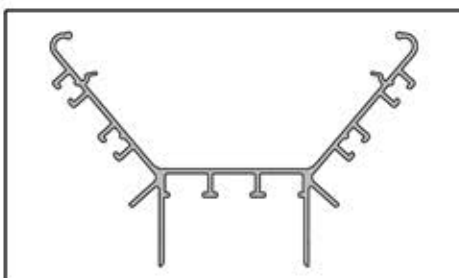
- Used to flash opening on end walls covered with corrugated polycarbonate

INTERMEDIATE BOW EXTRUSION



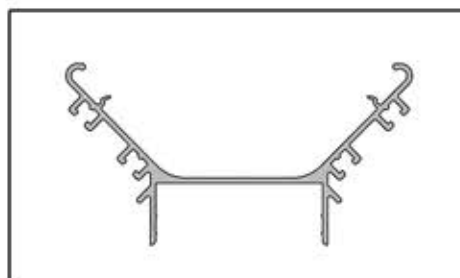
- Used to attach 8 mm polycarbonate on the greenhouse roof

PRO-COM GUTTER



- Extruded aluminum gutter with built-in bolt track
- For bow assembly attachment
- Adapts to 2x3 or 3x3 column posts

RT GUTTER



- Extruded aluminum gutter with built-in bolt tack for bow assembly attachments
- Adapts to 2x4 or 4x4 column posts

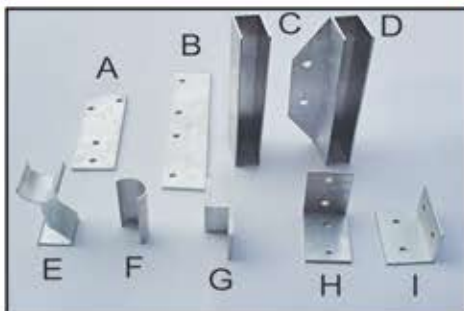
HARDWARE



End Wall Brackets

- Stud attachment plate for 1x2 and 2x2 framing

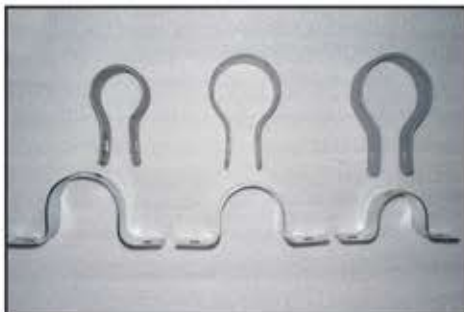
IN STOCK & READY TO SHIP!



Specialty Brackets

- | | |
|----------------------------------|---------------------------|
| A. 2" x 6" stud plate | F. 1-3/8" friction clamp |
| B. Splice plate | G. 1" x 2" stud bracket |
| C. 1" x 2" splicer | H. 3" x 3" x 2" L-bracket |
| D. 1" x 2" base connector | I. 2" x 2" x 3" L-bracket |
| E. Polycarbonate support bracket | |

IN STOCK & READY TO SHIP!



Brace Bands and Purlin Clamps

- Galvanized steel construction
- 1-3/8", 1-5/8" and 2" available

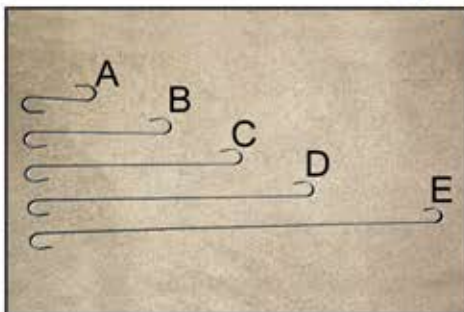
IN STOCK & READY TO SHIP!



Cross Connectors

Stock sizes:

- 1 5/8" x 1 3/8" cross connector with nuts and bolts
- 2" x 1 3/8" cross connector with nuts and bolts
- Other sizes by request



S- Hooks

- | | |
|--------|---|
| A. 6" | 10 gauge galvanized heavy steel wire |
| B. 12" | (extension hangers) packed 100 per box. |
| C. 18" | |
| D. 24" | |
| E. 36" | |



UHMW Shaft Hangers w/ Bands

- Used with the Atlas Z-Lock curtain system
- Attaches crank rod for curtain and provides less friction

IN STOCK & READY TO SHIP!



Curtain Pulley

- 7/8" Nylon pulley with swivel eye
- Use in Drop-Down curtain applications
- Use with cord or cable up to 1/8" diameter



Shade Cloth Clip

- Produced from top quality plastic with UV protection
- Great for shade cloth, energy curtains, nets, screens and tarps
- Install without special equipment
- 3/8" hole for easy attachment of rope



Fabric Clips

- A fabric clips fits tightly around 1.315" pipe. 3" long
- Securely fasten your curtain material to drive pipe or weight rod
- Made from long lasting aluminum



Shaft Collars

- 1 3/8" Shaft collars with rope attachment hole
- Ideal for easy adjustment of curtain tension rope



Shaft Hangers

- 1 3/8" Shaft hangers for curtain or ridge vent drive pipe
- Made from UHMW material
- Provides years of maintenance free use



Anchor Post Driving Tools

- Stock tools fit the following size anchor posts:
 - 2.197", 1.900", 1.029" and 1" x 2" rectangular



#10-16x3/4" Phillips Modified Truss Head Self-Drilling Screw

For fastening to aluminum and steel/ no pre-drilling necessary

Zinc plated



#12 - 14 x 1" HWH Self-Drilling Screw

For fastening to aluminum and steel/ no pre-drilling necessary

Long-life coating: 1000 hours salt spray resistance per ASTM B117

Drill capacity (inches): 0.210



#12 - 14 x 1-1/2" HWH Self Drilling Screw with 1" Bonded Washer

For fastening to aluminum and steel/ no pre-drilling necessary

Long-life coating: 1000 hours salt spray resistance per ASTM B117

Drill capacity (inches): 0.210



#12 x 1-5/8" Hex Head Self-Piercing Screw

For fastening to aluminum, steel and wood

No pre-drilling necessary in light gauge material

CR-10 long-life coating: Exceeds F.M. approval standard 4470



1/4 - 14 x 1" HWH Self Drilling Screw

For fastening to aluminum and steel/ no pre-drilling necessary

Long-life coating: 1000 hours salt spray resistance per ASTM B117

Drill capacity (inches): 0.210



#14 x 1-1/4" Wood Screw

Hex head with built-in washer

Zinc plated- uses a 3/8" hex bit to drive

For fastening to wood or sheet metal



#9 x 1-1/2" Hi-Hex Washer Head Type S Screw with Integral EPDM Sealing Washer

For fastening to aluminum, steel and wood/ no pre-drilling necessary in light-gauge material

Long-life coating: 1000 hours salt spray resistance per ASTM B117

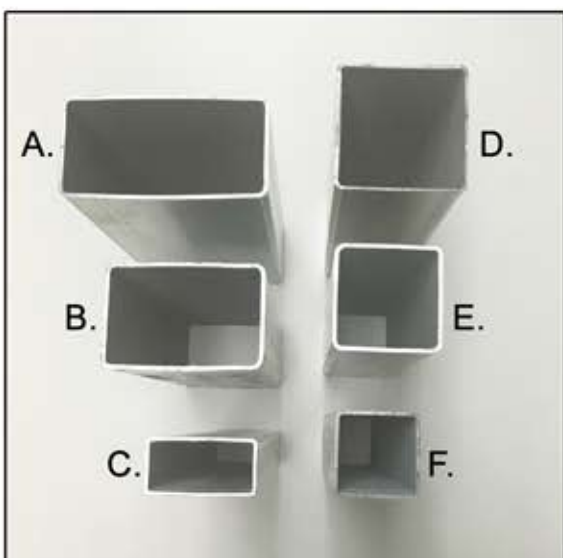


#12 - 14 x 1" HWH Self Drilling Screw with Integral EPDM Sealing Washer

For fastening to aluminum and steel/ no pre-drilling necessary

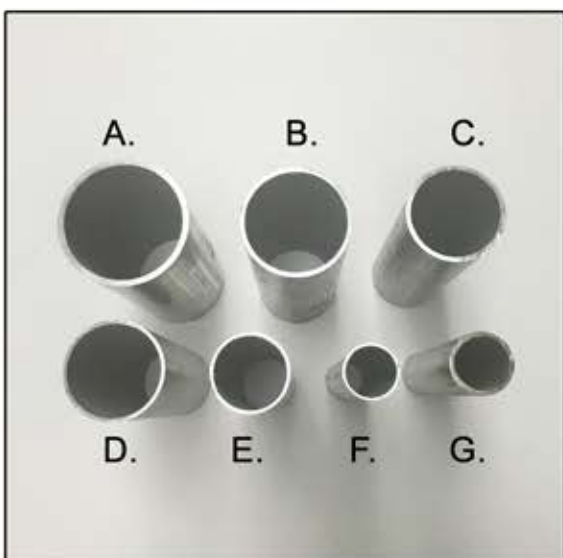
Long-life coating: 1000 hours salt spray resistance per ASTM B117

Drill capacity (inches): 0.210



SQUARE TUBING

- A. 2" x 4" rectangle
- B. 2" x 3" rectangle
- C. 1" x 2" rectangle
- D. 2 1/2" square
- E. 2" square
- F. 1 1/2" square



ROUND TUBING

- A. 2.197" - 12 gauge
- B. 1.900" - 14 gauge
- C. 1.66" - 14 gauge
- D. 1.50" - 14 gauge
- E. 1.315" - 17 gauge
- F. 1.029" - 14 gauge
- G. 0.922" - 18 gauge



TRELLIS FRAME

Our trellis frames are ideal for blackberry production. These frames will increase your yields by helping to prevent "sun scald."

Specs:

- Heavy-duty 1 x 2 rectangular galvanized steel construction
- Extruded aluminum mounting plate
- Pre-punched holes for easy installation
- Assembly hardware included

GROWING SUPPLIES



SOIL

Using a high quality mix like Sunshine LT5 will get your plant off on the right foot. LT5 can help assure the productions of robust plugs, which will lead to a healthy, robust and profitable crop in the field.

- 33 lb bags



SEEDLING TRAYS

The inverted pyramid design of the cells in these seeding plant trays have revolutionized the transplant industry. With this design, plants grown in our seedling trays are easy to extract, roots intact, resulting in a healthier plant.

Perfect for greenhouses with both raised benches that consist of a "T" rail suspension system that provides free air movement under the flats or greenhouses with a float production application of transplants.



CLIPPING SYSTEM

The Atlas clipping system is offered in 30' and 35' widths and comes with an upper carriage designed to support most mower frames and mowers. Our boom is constructed from galvanized steel tubing and glides easily on stainless steel rollers.

Mower and mower frames are available for purchase or use this system with your existing mower and mower frame.

As per sales contract – Purchaser agrees to make prompt payment of all invoices in accordance with the terms specified in this agreement, whether the invoices so presented compromise the entire order, or only part of such order. In the event of change of circumstance, Atlas Manufacturing, Inc. (hereafter referred to as “Atlas”) reserves the right to revise credit terms or upon demand, to receive additional security from the Purchaser. If, in Atlas’ judgment, reasonable doubt exists as to Purchaser’s financial responsibility, or if Purchaser is past due in payment of any amount owing to Atlas, Atlas reserves the right, without liability and without prejudice to any other remedies, to suspend its performance, decline to ship, or stop any materials in transit until Atlas receives payment (whether or not due), or adequate assurance of such payment owing to Atlas. Credit terms accepted by Atlas with respect to one order shall not bind Atlas to accept similar terms on subsequent orders. The Buyer, any higher-tier contractor, or the owner of property to which the products described herein may become affixed, will not be released from liens or claims of any kind unless and until such products have been fully paid for.

A late payment charge will be made on all past due balances, and will be computed at the rate 1.5% per month (which is an annual percentage rate of 18%), or the maximum legal rate, whichever is lower.

Purchaser agrees to pay all costs of collection (including attorney’s fees) incurred by Atlas if this invoice is not paid when due.

Payment for materials delivered and/or labor performed may not be withheld due to pending claims on previous contracts.

TAXES

Any taxes required, through assessment or otherwise, to pay or collect under any existing or future law upon or with respect to sale, purchase, delivery, transportation, storage, processing, use or consumption of any of the products or services covered hereby (including receipts from sales or services), will be for Purchaser’s account, and if paid or required to be paid by Atlas, the amount thereof will be added to and become a part of the price payable by the Purchaser.

SHIPPING AND RECEIVING

IMPORTANT! Customer is responsible for receiving truck shipments!

- Once the Carrier picks up your freight from our facility, safe delivery of this shipment is the responsibility of the Carrier. We will be glad to render assistance to trace and recover goods.
- Examine your shipment carefully before signing the delivery receipt. While counting the number of boxes and bundles, it is extremely important to check for shortages and/or damaged materials. If the box and bundle count does not agree with the bill of lading, or damaged material is found, it is your responsibility to note shortage or damage on the freight bill. **FAILURE TO NOTE SHORTAGE OR DAMAGE ON THE BILL OF LADING BEFORE THE DRIVER LEAVES WILL JEOPARDIZE YOUR CLAIM.**
- Truck line shipments leave our warehouse in good condition. It is possible that in the process of transportation and transferring of freight, material may become either lost or damaged. Therefore, Atlas cannot be responsible for conditions in which we have no control. Replacement material will be shipped and charged to your account. In this regard you are obligated for prompt payment of material (original & replacement) to Atlas. It is the truck line’s obligation to reimburse you for damaged or missing items on your claim.
- Most transportation companies will not consider a claim unless presented within 90 days from date of shipment, so your claim must be made promptly. The carrier’s agent will assist you in preparing a claim. Your claim must be supported by the following originals: Invoice, delivery receipt showing damage, replacement invoice, and replacement freight bill.
- If you discover concealed damage after the Carrier has left, you have 10 days from receipt of material to request an inspection by the truck lines in order to file a claim. If you sign your freight bill clear without exceptions and there is damage or shortage found after the freight bill is signed clear, we cannot be responsible or file a claim in your behalf. It is your responsibility to immediately contact the delivering carrier and report the damage so an inspection can be scheduled.

CHANGES IN ORDER

In the event Purchaser authorizes changes in the work to be performed, or if any federal, state, or local law, rule, or requirement results in alternate designs and/or deviations from the specifications herein, the contract sums shall be accordingly adjusted provided that the cost or credit to purchaser shall be agreed upon by the parties before change is put into effect.

LIMITED WARRANTY

Atlas warrants that its products are free from defects in material and workmanship for a period of one year. Warranties on components purchased from Atlas, but manufactured by others such as electric motors, pumps, heaters, exhaust fans, controllers, etc. are one year from purchase date and then limited to the terms of warranty extended by our suppliers.

Purchaser shall promptly, and in no event later than 10 days after discovery, notify Atlas in writing, of any defects and/or nonconformity, in detail. Upon such notification, Atlas will repair or replace any products manufactured by Atlas which it finds defective or not in conformity with specifications. All shipping charges shall be paid by Purchaser. Purchaser’s remedies hereunder are limited to the repair and/or replacement of goods manufactured by Atlas.

THE OBLIGATIONS OF ATLAS HEREIN ARE IN LIEU OF ALL OTHERS, AND ATLAS MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS, FOR ANY PURPOSE. UNDER NO CIRCUMSTANCES SHALL ATLAS BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF ATLAS HAS BEEN NOTIFIED OF THE POSSIBILITY THE SAME.

Buyer shall hold and protect all products for which Buyer has given notice, until Buyer is specifically instructed to do otherwise by Atlas. While such products are under Buyer’s protection, Buyer shall be liable for all damages to said products. If the structure is structurally certified by a licensed Structural/Civil engineer, the certification is based on and applies to calculations for a composite system as described in the Proposal/Contract.

Non-code or non-certified structures purchased by the Purchaser are done so at the Purchaser’s own risk. Purchasers shall indemnify Atlas from any liabilities or costs for structural failure or any legal action taken by governing agencies against Purchases for nonconformance.

The structure is designed with the understanding that interior may be cooled and/or heated. Purchaser understands that he is required to regulate inside temperatures to avoid excessive snow loads.

Purchaser understands that the cost of structural certification not requested at time of purchase but requested after Purchaser received structure and signed delivery receipt will be charged to Purchaser. In addition, any components (additional components such as trusses, purlin, braces, etc.) necessary to meet required certification will be charged to the Purchaser. Purchaser is responsible for informing Atlas of required loads for the county in which the structure is to be located.

ATLAS SHALL THEREFORE NOT BE RESPONSIBLE FOR ANY DAMAGE DIRECT OR CONSEQUENTIAL, WHETHER OR NOT THE STRUCTURE CONTAINS GROWING PLANTS WHICH SHALL RESULT EITHER FROM (A) THE FAILURE OF THE PURCHASER TO AT ALL TIMES REGULATE INSIDE TEMPERATURES, OR (IN THE EVENT THE PURCHASER IS RESPONSIBLE HEREUNDER FOR INSTALLING ENVIRONMENTAL CONTROL EQUIPMENT) (B) THE FAILURE OF THE PURCHASER TO COMPLETE TIMELY INSTALLATION OF SAID EQUIPMENT.

Purchaser will indemnify and hold Atlas and its officers and agents harmless (to the extent provided by law) from and against all loss, liability, cost, damage, or expense incident to any claim, action or proceeding against Atlas arising out of the installation, maintenance, use or operation of the products by Purchaser or on Purchaser’s behalf.

CANCELLATION

Orders for material or equipment are not cancellable, either in whole or part.

RETURN MERCHANDISE

All returns for credit must have the prior written approval of an authorized representative of Atlas and must be for justifiable reasons. The credit extended for such approved returns will be based on the invoice value at time of purchase, or such lower value as may then represent our current pricing. All returns will be assessed a handling and restocking charge of 20% unless otherwise approved by Atlas’ authorized representative. No items shall be returned for credit which have been damaged or rendered unusable. Unless otherwise approved by Atlas’ authorized representative, all returned items shall be freight prepaid by Purchaser.

GOVERNING LAW

It is agreed that the parties hereto intend that all questions as to validity, interpretation, and required performance arising out of this contract are to be governed by the laws of the state of Georgia.

Atlas, their employees or representatives, cannot and will not be held responsible for any damage to greenhouse covering, structures, crops or equipment when used in conjunction with any locking device manufactured by Atlas or others.

LEARN MORE

At Atlas Greenhouse, we offer a wide range of structures and accessories for the growing industry. We are happy to partner with you to help design, plan and implement your next greenhouse project. Learn more about Atlas Greenhouse structures and optional accessories, online at **www.AtlasGreenhouse.com** or call us directly at **800-346-9902**.



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GREENHOUSE

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